



U.S. Department of Transportation

National Highway Traffic Safety Administration

## Dear Crash Data Researchers/Users:

Thank you for choosing crash data from the National Highway Traffic Safety Administration (NHTSA) for your research or other use. The information contained in this motor vehicle crash report is collected, maintained and distributed in accordance with Public Law 89-564. In accordance with this Public Law, NHTSA is required not to release any case information until completion of quality control procedures. These procedures include a review of the case material to extract all names, licenses and registration numbers, non-coded interview material, non-research related researcher comments in the margins, non-factual data, and the production number portion of the vehicle identification number (VIN).

If you requested NHTSA to query its database files in order to identify a specific crash, then that query was made using non-personal descriptors you provided for use in our search. This motor vehicle crash may have been identified from a data search and matches the general, non-personal descriptors you provided, but we cannot confirm that this is the specific crash report you requested.

If you have any questions with regard to the above procedures, please contact the Field Operations Branch, Crash Investigation Division, National Center for Statistics and Analysis at 202-366-4820. Again, please be advised that we cannot confirm that this is the case that you have specifically requested nor can we certify the information to be correct.

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National Highway Traffic Safety Administration

PSU 09

CASE NO. 1285

TYPE OF ACCIDENT Two Car, Front to Right Introckun

## A. DESCRIPTION OF THE ACCIDENT SEQUENCE AND ACCIDENT PECULIARITIES

(Provide a summary of the accident sequence as well as any particular event of the accident that is noteworthy. Injury mechanism and vehicle crashworthiness is the focus, not driver culpability. Do not include any personal identifiers.)

Vehicle one was traveling north in lane four of a four lane divided highway approaching an intersection. Vehicle two was traveling south in lane three of the same road also approaching the intersection. VI made a last twen in the part of VD and was struct on the right site. The vehicles then rotated and sideslapped each other before coming to final rest. Both vehicles were towed due to damage.

Both drivers sustained "A" injuries.

	B. VEHICLE PROFILE(S)									
	Class		Most Seve Based on Vehi	- 1						
Vehicle No.	of Vehicle	Year/Make/Model	Damage Plane	Severity Description	Component Failure					
01	Full Size	1989 Ford Thunderbird	Right	Stutet	None					
02	Large Pickup	1989 Ford Thunderbird 1994 Toyota T100 DX	Frunt	Severe	Nuna					
			:							

DO NOT SANITIZE THIS FORM

C. PERSON PROFILE(S)								
Vehicle No.	Person Role	Seat Position	Restraint	-	Most (TO BE COMPLE	Severe TED BY	Injury ZONE CENTER)	
			Use	Body Region	Injury Type	AIS	Injury Source	
01	Briver	L-Front	Man. Lap					
02	Driver	L-Front	Auto Shldri Mani Lap Lap / sllde. Air Bag					
							_	

## **Body Region**

Abdomen Ankle-foot Arm (upper)

Back-thoracolumbar spine

Brain
Chest
Ears
Eye
Elbow
Face
Forearm
Head—skull
Heart
Kidneys
Knee

Leg (lower)

Lower limbs(s) (whole or unknown part)

Mouth

Liver

Neck-cervical spine

Nose

Pelvic-hip Pulmonary-lungs

Shoulder Spleen Thigh

Thyroid, other endocrine gland Upper limb(s) (whole or unknown

part)
Vertebrae
Whole body
Wrist-hand

## Injury Type

Abrasion Amputation Avulsion Burn Concussion Contusion Crush

Detachment, separation

Dislocation

Fracture

Fracture and dislocation

Laceration Other

Perforation, puncture

Rupture Sprain Strain

Total severance, transection

Unknown

## **Abbreviated Injury Scale**

- (1) Minor injury
- (2) Moderate injury
- (3) Serious injury
- (4) Severe injury
- (5) Critical injury
- (6) Maximum (untreatable)
- (7) Injured, unknown severity

## DO NOT SANITIZE THIS FORM

PSU09 1995 Case Summary Form CASE 128J
TYPE OF ACCIDENT: TWO CAR, FRONT TO RIGHT IMPACT

A. DESCRIPTION OF THE ACCIDENT SEQUENCE AND ACCIDENT PECULIARITIES

Vehicle one was traveling north in lane four of a four lane divided highway approaching an intersection. Vehicle two was traveling south in lane three of the same road also approaching the same intersection. V1 made a left turn in the path of V2 and was struck on the right side. The vehicles then sideslapped each other before comming to final rest. Both vehicles were towed due to damage. Both drivers sustained "A" injuries.

PSU09

1995 Case Summary Form

CASE 128J

TYPE OF ACCIDENT: TWO CAR, FRONT TO RIGHT IMPACT

## B. VEHICLE PROFILE(S)

V e h. No	Class of Vehicle	Year/Make/ Model	Damage Plane	Severity Descr.	Component Failure
	Full Size	1989 Ford Thunderbird	Right	Severe	None
	Large Pickup	1994 Toyota T-100 DX	Front	Severe	None

PSU09

1995 Case Summary Form

CASE 128J

TYPE OF ACCIDENT: TWO CAR, FRONT TO RIGHT IMPACT

## C. PERSON PROFILE(S)

V e h. No	Person Role	Seat Positon	Restraint Use	Body Region	Injury Type	A I S	Injury Source
01	Driver	L-Front	Auto Shldr	head	locarotron	1	flying glass
02	Driver	L-Front	Man Lap Lap/Shldr Air Bag	nick	strain	/	impactforce

2 195

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## **ACCIDENT COLLISION DIAGRAM**

National Highway Traffic Safety Administration NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM Indicate Case Number—Stratum North رح V W 1 TA 



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# ACCIDENT COLLISION MEASUREMENT TABLE

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

Primary Sampling Unit Number 09 Case Number-Stratum / 285 **ACCIDENT COLLISION DIAGRAM** Document vehicle dynamics including: CRASH DATA Document the physical plant: \* all road/roadway delineation (e.g., \* reference point and reference line relative VEH. #1 VEH. #2 VEH. #3 curbs/edge lines, lane markings, median to physical features present at the scene markings, pavement markings, parked Heading Angle scaled documentation of all accident vehicles, poles, signs, etc.) induced physical evidence \* all traffic controls (e.g., speed limit) scaled documentation of all roadside Surface Type objects contacted \* north arrow placed on diagram Surface scaled representations of the vehicle(s) at \* roadway surface type and condition of Condition applicable roadways pre-impact, impact, and final rest based Coefficient of upon either: grade measurements for all applicable Friction roadways and at location of rollover a) physical evidence, or Grade (v/h) initiation b) reconstructed accident dynamics Measurement (between impact \* roadway curvature and final rest) Grade (v/h) Grade (v/h)
Measurement (at location of pri-inpue + Flat Flat Reference Point: Reference line: Distance and Direction Distance and Direction Item from Reference Point from Reference Line No Physical Evidence -

Item	Distance and Direction from Reference Point	Distance and Direction from Reference Line
		·

National Highway Traffic Safety Administration

## **ACCIDENT FORM**

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

SPECIAL STUDIES - INDICATORS 1. Primary Sampling Unit Number Check (✓) each special study (SS15-SS18 below) 1285 2. Case Number - Stratum that has been completed; code 1 for the checked special studies and 0 for the special studies not IDENTIFICATION checked. 3. Number of General Vehicle 6. SS15 Administrative Use Forms Submitted 7. SS16 Pedestrian Crash Data Study 0\_\_ 4. Date of Accident (Data for this special study available (Month, Day, Year) in a separate file.) 8. SS17 Impact Fires 1000 5. Time of Accident 9. SS18 Unsafe Driver Actions Code reported military time of accident. NOTE: Midnight = 2400 10. SS19 \_\_\_\_ Unknown = 9999NUMBER OF EVENTS 11. Number of Recorded Events 2 in This Accident Code the number of events which occurred in this accident. **ACCIDENT EVENTS** For each event that occurred in the accident, code the lowest numbered vehicle in the left columns and the other involved vehicle or object in the right columnns. **Accident Event** General Vehicle Number General Vehicle Class Of Area of Class Of Sequence Area of or Number Number Vehicle Vehicle Damage **Object Contacted** Damage 12. 0 1 13. 0 1 14. 0 4 15. R 16. 0 2 17. 3 1 20. <u>0</u> 1 21. <u>0</u> 4 22. <u>R</u> 23. <u>0</u> 2 24. <u>3</u> 1

IF GREATER THAN FIVE EVENTS, CONTINUE CODING ON THE ACCIDENT EVENT SUPPLEMENT

43.

29.

36.

30. \_\_\_\_

37.

31.

38.

40. **0 5** 

27.

28.

35.

42.

	CODES F	OR CL	ASS OF VE	HICLE				
(00) Not a m	otor vehicle		(31)	Large pickup truck (≤ 4,	500 kas GVWRI			
	Subcompact/mini (wheelbase < 254 cm) (38) Other pickup truck (≤ 4,500 kgs GVWI							
	(wheelbase ≥ 254 but < 265 cm)			Unknown pickup truck type (≤ 4,500 kgs GVW				
•	iate (wheelbase ≥ 265 but < 278 cm)			Other light truck (≤ 4,500 kgs GVWR)				
(04) Full size	(wheelbase ≥ 278 but < 291 cm)			Unknown light truck type				
(05) Largest	wheelbase ≥ 291 cm)			Unknown light vehicle ty				
_	n passenger car size			= :	based)(> 4,500 kgs GVWR			
(14) Compac	tutility vehicle			Other bus (> 4,500 kgs	_			
(15) Large ut	ility vehicle (≤ 4,500 kgs GVWR)		(59)	Unknown bus type				
(16) Utility st	ation wagon (≤ 4,500 kgs GVWR)		(60)	Truck (> 4,500 kgs GV\	WR)			
(19) Unknow	n utility type		(67)	Tractor without trailer				
(20) Minivan	(≤ 4,500 kgs GVWR)		(68)	Tractor-trailer(s)				
(21) Large va	n (≤ 4,500 kgs GVWR)		(78)	Unknown medium/heavy	truck type			
	ed school bus (≤ 4,500 kgs GVWR)		(79)	Unknown light/medium/h	eavy truck type			
	n type (≤ 4,500 kgs GVWR)			Motored cycle				
	n van type (≤ 4,500 kgs GVWR)		(90)	Other vehicle				
(30) Compac	pickup truck (≤ 4,500 kgs GVWR)		(99)	Unknown				
	CODES FOR GENE	RAL /	AREA OF	DAMAGE (GAD)				
CDS APPLICA	ABLE (0) Not a motor vehicle	(R)	Right side	<b>)</b> .	(T) Top			
AND OTHER	(N) Noncollision	(L)	Left side		(U) Undercarriage			
VEHICLES	(F) Front	(B)	Back		(9) Unknown			
TDC	(O) Not a motor vehicle	(1.)	Left side		(C) Rear of cab			
APPLICABLE	(N) Noncollision			nit with cargo area	(V) Front of cargo area			
VEHICLES	(F) Front	(0)		ailer or straight truck)	(T) Top			
VEITICLES	(R) Right side	(D)		r of tractor)	(U) Undercarriage			
	(ii) rugiit side	(0,	Dack (lea	i or tractory	(9) Unknown			
· · · · · · · · · · · · · · · · · · ·					(0, 0			
(04 00)	CODES FOR VEHICLE I	NUME		· ·				
(01-30) — V	ehicle Number		· ·	Fence				
Noncollision			•	) Wall ) Building				
	turn — rollover (excludes end-over-end)			Ditch or culvert				
	ever — end-over-end	-	=	Ground				
	or explosion			Fire hydrant				
(34) Jack	•			Curb				
(35) Othe	r intraunit damage (specify):		(64	) Bridge				
			(68	Other fixed object (spe	cify):			
	collision injury or noncollision (specify):		169	Unknown fixed object				
			(03	Olikilowii lixed object				
(39) Non	collision – details unknown			on with Nonfixed Object				
			(70	Passenger car, light tru	ick, van, or other vehicle			
	h Fixed Object			not in-transport				
	(≤ 10 cm in diameter)			Medium/heavy truck or	bus not in-transport			
	(> 10 cm in diameter)			) Pedestrian				
	bbery or bush			Cyclist or cycle				
(44) Emb	ankment kaway pole or post (any diameter)		(/4	Other nonmotorist or c	onveyance			
(10) 5100	navay polo of post (any diameter)		(75	Vehicle occupant				
Nonbreakawa	ay Pole or Post			) Animal				
(50) Pole	or post (≤ 10 cm in diameter)		(77	Train				
(51) Pole	or post (> 10 cm but $\leq$ 30 cm in diam	neter)	(78	Trailer, disconnected in	n transport			
	or post (> 30 cm in diameter)			) Object fell from vehicle				
(53) Pole	or post (diameter unknown)		(88)	Other nonfixed object	(specify):			
(54) Cond	crete traffic barrier		(89	Unknown nonfixed obje	ect			
•	ct attenuator			,				
	r traffic barrier (includes guardrail)		(98	Other event (specify):				
(spe	cify):		(99	Unknown event or obje	ect			

	PRECRASH ENVIRONMENTAL DATA				- /
	THEOHASTI ENVIRONMENTAL BITTI		25.	Roadway Surface Condition	
10	Relation To Interchange Or Junction	2		(1) Dry	
13.	(0) Non-interchange area and non-junction	<u> </u>		(2) Wet	
	(1) Interchange area related			(3) Snow or slush	
	(1) Interchange area related			(4) Ice	
	Al laterahanna irrationa			(5) Sand, dirt, or oil	
	Non-Interchange junctions (2) Intersection related			(8) Other (specify):	
				(9) Unknown	
	(3) Driveway, alley access related				,
	(4) Other junction (specify)		١؞؞	11 1 A C Participan	-
	(E) Halanaum tuma of impation		26.	Light Conditions	
	(5) Unknown type of junction			(1) Daylight	
	(0) Halaana			(2) Dark	
	(9) Unknown		ł	(3) Dark, but lighted	
		,		(4) Dawn	
	T. W Flour	1	1	(5) Dusk	
20.	Trafficway Flow			(9) Unknown	
	(0) Not physically divided (two way traffic)		1		_
	(1) Divided trafficway-median strip without				
	positive barrier		27.	Atmospheric Conditions	U
	(2) Divided trafficway-median strip with posit	ive	1	(O) No adverse atmospheric-related driving	
	barrier			conditions	
	(3) One way traffic			(1) Rain	
	(9) Unknown			(2) Sleet/hail	
		U		(3) Snow	
21.	Number Of Travel Lanes	- (		(4) Fog	
	(1) One			(5) Rain and fog	
	(2) Two			(6) Sleet and fog	
	(3) Three			(7) Other (e.g., smog, smoke, blowing sand of	or
	(4) Four			dust, etc.) (specify):	
	(5) Five			***************************************	
	(6) Six			(9) Unknown	
	(7) Seven or more			T (" 0 : 15 :	/
	(9) Unknown		28.	Traffic Control Device	
		1		(0) No traffic control(s)	
22	Roadway Alignment	- 1	1	(1) Traffic control signal (not RR crossing)	
22.	(1) Straight			Populatory	
	(2) Curve right			Regulatory	
	(3) Curve left			(2) Stop sign (3) Yield sign	
	(9) Unknown			(4) School zone sign	
	10, Unknown			(5) Other regulatory sign (specify):	
		1	1	(5) Striot regulatory sign (specify).	
23.	Roadway Profile			(6) Warning sign (not RR crossing)	
	(1) Level			(7) Unknown sign	
	(2) Uphill grade (>2%)		1	(8) Miscellaneous/other controls including RR	1
	(3) Hill crest		l	controls (specify):	ı
	(4) Downhill grade (>2%)		1		
	(5) Sag			(9) Unknown	
	(9) Unknown	_			
		7			$\gamma$
24.	Roadway Surface Type		29.	Traffic Control Device Functioning	0
	(1) Concrete			(0) No traffic control device	
	(2) Bituminous (asphalt)			(1) Traffic control device not functioning	
	(3) Brick or block		1	(specify):	
	(4) Slag, gravel, or stone		l	(2) Traffic control device functioning properly	<i>'</i>
	(5) Dirt		1	(9) Unknown	
	(8) Other (specify):		l		
	(9) Unknown		1		

Source:

					19-195	$\sim$
Natio	onal Accident Sampling System-Crashworthiness Dat	a Sy	stem: Ge	neral Vehicle Form	VI	Page 5
	OCCUPANT RELATED	44.	Vehicle	Cargo Weight Code weight to nearest	<u> </u>	<u>2</u> 0
37.	Driver Presence in Vehicle			10 kilograms.		
	(0) Driver not present (1) Driver present		(000)	Less than 5 kilograms		
	(9) Unknown	İ	(999)	4,500 kilograms or more Unknown		
	() [			lbs X .4536 =,	kgs	
38.	Mullipel of Occupatios Tills Actingle		Source	Inspection + I.	atervisa	
	(00-96) Code actual number of occupants for this vehicle		Source.			
	(97) 97 or more			ROLLOVER DATA	A ,	
	(99) Unknown	45	Rollover	•		0
20	Number of Converse Forms Submitted	10.		rollover (no overturning)		
<i>3</i> 9.	Number of Occupant Forms Submitted		Rollovei	(primarily about the long	itudinal axisl	· }
	AIR BAG RELATED	(0	D1-16)	Code the number of quar	ter turns	
40	Is this an AOPS Vehicle?	]		Rollover, 17 or more quai	ter turns	•
40.	(0) No (includes unknown)		(98)	(specify): Rollover-end (i.	a. primarily	
	(1) Yes - researcher determined			about the lateral axis)	•	
	(2) VIN determined air bag system (3) VIN determined automatic (passive) belts		(99)	Rollover (overturn), detail	s unknown	_
	(4) VIN determined air bag and automatic	46	Rollover	Initiation Type	0	0
	(passive) belts	'	(00) No	rollover		
<b>4</b> 1	Air Bag(s) Deployment, First Seat Frontal		(01) Tri	p-over		
<del></del> 1.	(0) Not equipped or not available		(02) Flip (03) Tui	D-OVER rn-over		
	(1) No air bags deployed		(04) Cli	mb-over		
	Single Air Bag Vehicle		(05) Fal			
	(2) Driver air bag deployed			unce-over Ilision with another vehicl	<b>a</b>	
	(3) Driver air bag, unknown if deployed		(08) Otl	ner rollover initiation type	specify):	
	Multiple Air Bag Vehicle (4) Driver side only deployed					
	(5) Passenger side only deployed			lloverend-over-end known rollover initiation t	vne.	
	(6) Driver and passenger side deployed				/pe	6
	(7) Driver and passenger side unknown if deployed	47.		n of Rollover Initiation		
	(8) Air bag(s) deployed, details unknown			rollover roadway		
	(9) Unknown	1	(2) On	shoulder-paved		
42.	Air Bag(s) Deployment, Other Than First		(3) On	shoulder-unpaved		
	Seat Frontal		(4) On (8) Rol	roadside or divided traffic lloverend-over-end	:way median	1
	(0) Not equipped with an "other" air bag		(9) Un	known		
	(1) Deployed during accident (as a result of impact)	4.			. 0	0
	(2) Deployed inadvertently just prior to accident	48.	(Note: Ar	Initiation Object Contacte oplicable codes on back of page)	id	
	(3) Deployed, details unknown		•			$\sim$
	(4) Deployed as a result of a noncollision event during accident sequence (e.g., fire,	49.	Location	on Vehicle Where Initial	Principal	<u>U</u>
	explosion, electrical)		(0) No	Force Is Applied rollover		
	(5) Unknown if deployed			neels/tires		
	(7) Nondeployed (9) Unknown			le plane		
				d plane dercarriage		
	Specify type of "other" air bag present:		(5) Otl	ner location on vehicle (sp	ecify):	
				n-contact rollover forces (	-	
	VEHICLE WEIGHT ITEMS			lloverend-over-end known		
	1//	50.	Direction	n of Initial Roll		0
43	. Vehicle Curb Weight		(0) No	rollover		
	10 kilograms.		(1) Rol	ll right - primarily about th	e longitudina	ai
	(045) Less than 450 kilograms			s Il left - primarily about the	longitudinal	
	(610) 6,100 kilograms or more		axi	S		
	(999) Unknown 3.5 1.2 lbs X .4536 = 1,607 kgs			lloverend-over-end		

Unknown roll direction

# CODES FOR ROLLOVER INITIATION OBJECT CONTACTED

(00) No rollover (01-30) — Vehicle Number	(57) Fence
(01 00) Vollicio (Mallipei	(58) Wall
Noncollision	(59) Building (60) Ditch or culvert
(31) Turn-over — fall-over	(61) Ground
(32) No rollover impact initiation (end-over-end)	(62) Fire hydrant
(34) Jackknife	(63) Curb
, , , , , , , , , , , , , , , , , , , ,	(64) Bridge
Collision With Fixed Object	(69) Other fixed chiest (specific)
(41) Tree (≤ 10 cm in diameter)	(68) Other fixed object (specify):
(42) Tree (> 10 cm in diameter)	(69) Unknown fixed object
(43) Shrubbery or bush	(00) Onknown fixed object
(44) Embankment	Collision with Nonfixed Object
(45) Breakaway pole or post (any diameter)	(70) Passenger car, light truck, van, or other vehicle not in-transport
	(71) Medium/heavy truck or bus not in-transport
Nonbreakaway Pole or Post	(76) Animal
(50) Pole or post (≤ 10 cm in diameter)	(77) Train
(51) Pole or post ( $>$ 10 cm but $\leq$ 30 cm in	(78) Trailer, disconnected in transport
diameter)	(79) Object fell from vehicle in-transport
(52) Pole or post (> 30 cm in diameter) (53) Pole or post (diameter unknown)	(88) Other nonfixed object (specify):
(54) Concrete traffic barrier	(89) Unknown nonfixed object
(55) Impact attenuator (56) Other traffic barrier (includes guardrail)	(98) Other event (specify):
(specify):	(99) Unknown event or object



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National Highway Traffic Safety Administration

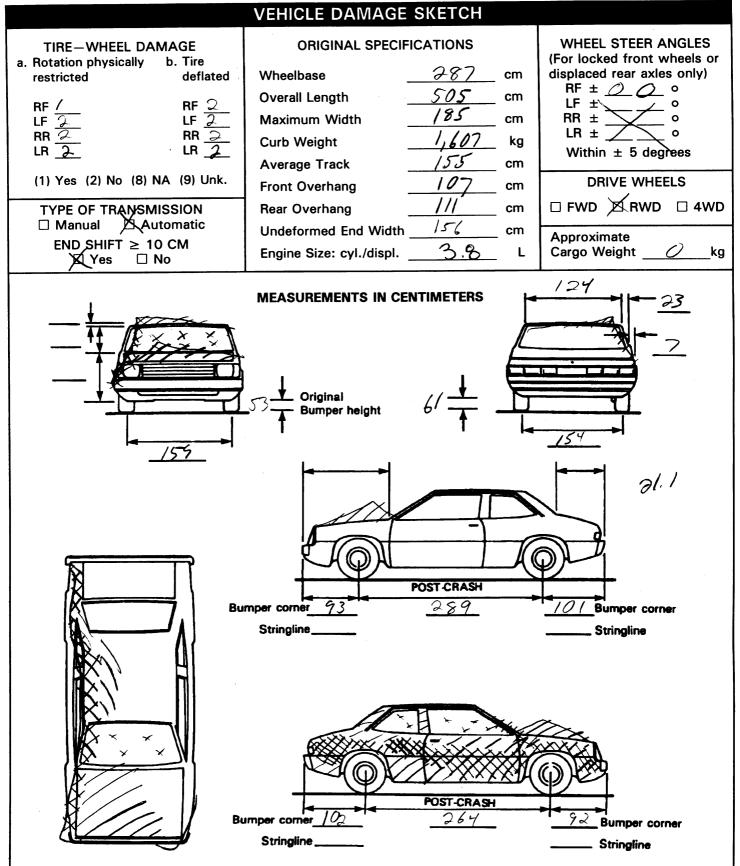
# **EXTERIOR VEHICLE FORM**

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number <u>09</u>					<u>9</u>   3.	3. Vehicle Number						
2. Case I	Number	- Stratum	/	28	ナー							
	VEHICLE IDENTIFICATION											
VIN	VIN 1 F A P P 6 0 4 4 K H Model Year 8 9											
Vehicle Ma	Vehicle Make (specify): Ford Vehicle Model (specify): Thunderbird											
	LOCATOR											
		the damage axle for side	with respect impacts.	ct to the ve	hicle long	gitudinal	center	line or b	oumper o	corner fo	or end ir	npacts
Specific Impa	ct No.	Location of	of Direct Dama	ge		Location	of Field I	_	ι	ocation o	of Max Cru	ush
01	E	Entire r	ight sic	10 of	Entir	e Vig	St 51	de of	140	en for	vard ol	404
		ar	1		car							
			CRU	SH PROF	ILE IN O	CENTIN	ЛЕТЕR	S				
S M ii F t S	Impact   C-Measurements   Width   Max   Field   C <sub>1</sub>   C <sub>2</sub>   C <sub>3</sub>   C <sub>4</sub>   C <sub>5</sub>   C <sub>6</sub>   ±D											
	Fran	Pact		1		0	0	1	1	/	0	
01	Fina		438	67	411	0	0	17	64	30	0	0
		·	<b> </b>		<del> </del>							
								ļ ,				ļ
1/0	tr:	It wa	5 data	mind	1ati	- +4		Vamag	1 4	5 6	9081	√ <u> </u>
ļ	27	tu u 52	picate	inpac			e V	541	5/2	1. 2	nev.	<u> </u>
	5/1	dini	4 see 1 rat		Cr.	9 70	+-	0	te pro	4+		
	20	7 3	rather	+4 cm	the	67.	<u> </u>	00	L	uris .	74/12	
	(-0	dad.			+			<b></b>			<u> </u>	
								<b></b>				
					<del>                                     </del>				-		<u> </u>	
<del></del>					<u> </u>							

# ORIGINAL SPECIFICATIONS WORK SHEET

Wheelbase	1/3.0 inches	x 2.54 =	<u>287</u> cm
Overall Length	198.7 inches	x 2.54 =	<u>505</u> cm
Maximum Width	$\underline{-72.7}$ inches	x 2.54 =	<u> </u>
Curb Weight	$\underline{3}, \underline{5}, \underline{4}, \underline{2}$ pounds	x .4536 =	<u>1,607</u> kg
Average Track	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	x 2.54 =	<u>/55</u> cm
Front Overhang	$\underline{42.0}$ inches	x 2.54 =	_ <u>/_07</u> cm
Rear Overhang	$\underline{}$ $\underline{}$ $\underline{}$ 3. $\underline{}$ inches	x 2.54 =	/_//_cm
Undeformed End Width	inches	x 2.54 =	cm
Engine Size: cyl./displ.	сс	x .001 =	L
	CID	x .0164 =	L



NOTES: Sketch new perimeter and cross hatch direct damage and single hatch induced damage on all views. Annotate observations which might be useful in reconstructing the accident (e.g., grass in tire bead, direction of striations, scuff on sidewalls, etc.). If pulling trailer, sketch type of trailer and damage received on the back of this page.

Annotate any damage caused by extrication such as component removal by torching, prying, or hydraulic shears.

CDC WORKSHEET								
		C	ODES FOR C	BJECT CON	TACTED			
(01-30)	- Vehicle Nur	mber			) Fence ) Wall			
Noncolli	ision				) Building			
		llover (excludes	end-over-en		) Ditch or	culvert		
	Rollover-end-				) Ground			
	Fire or explosi	on			) Fire hyd	rant		
	Jackknife				) Curb			
		damage (specif	y): 		) Bridge () Other fix	ked object (s	specify):	
(36) (38)	Noncollision in Other noncollis	jury sion (specify):		(69	) Unknow	n fixed obje	ct	
(39)	Noncollision -	details unknow	/n			onfixed Obje		
,,				(70		er car, light		or other
	n With Fixed O					not in-transp		
	Tree (≤ 10 cm					/heavy truck	or bus not	in-transport
	Tree (> 10 cr				) Pedestri			
	Shrubbery or I	oush			B) Cyclist o	or cycle onmotorist o	r conveyanc	•
	Embankment			·			Conveyance	
(45)	Breakaway po	le or post (any o	liameter)		) Vehicle	occupant		
		<b>.</b>			3) Animal			
	akaway Pole or		\ 		7) Train	disconnected	d in transno	· <b>†</b>
<ul><li>(50) Pole or post (≤ 10 cm in diameter)</li><li>(51) Pole or post (&gt; 10 cm but ≤ 30 cm in</li></ul>						ell from veh		
(51)	diameter)	> 10 cm but 3	30 Cm m			onfixed obje		
(52) Pole or post (> 30 cm in diameter) (53) Pole or post (diameter unknown)				·		n nonfixed o		
	·		/11 <i>)</i>					
(55)	Concrete traff Impact attenua	ator				vent (specify		
(56)		arrier (includes (		(99	9) Unknow	n event or c	object 	
		DEFORMAT	TION CLASS	IFICATION B				
A:-		(1) (2)			(4) Specific	(5) Specific	(6)	
Accident Event	•	Direction	Incremental	(3)	Longitudinal	Vertical or	Type of	(7)
Sequence		of Force	Value of	Deformation	or Lateral	Lateral	Damage	Deformation
Number	Contacted	(degrees)	Shift	Location	Location	Location	Distribution	Extent
1	11 0	771	$(\mathcal{O})$	$\mathcal Q$	V	A	\n/	04
41		0 - 0	00	<del>1</del>	1	<u></u>	1	
02	202	080	00	R	KZ	Ë	W	02
						-		
						<del></del>		

		COLLISION	DEFORMA	TION CLAS	SIFICATIO	IN	
HIGHEST I	DELTA "V"						
Accident Event Sequence Number	Object Contacted	(1) (2) Direction of Force	(3) Deformation Location	(4) Longitudinal or Lateral Location	(5) Vertical or Lateral Location	(6) Type of Damage Distribution	(7) Deformation Extent
4	5. <u>0</u> 2	6. 02	7. <u>R</u>	8. <u> Ø</u> Y	9. <u>A</u>	NASS CLO	11. 0 4
Second Hi	ghest Delta "V	11		7	,	Ist Review 2nd Review	
12. 02	13. 0 2	14. <u>0</u> 3	15. 7	16.	17. <u>E</u>	18. <u>W</u>	19. 02
		CRUS	H PROFILE	IN CENTIM	ETERS		
The crush profile for the damage described in the CDC(s) above should be documented in the appropriate space below. (ALL MEASUREMENTS ARE IN CENTIMETERS.)							
HIGHEST	DELTA "V"						
20. L	21. 				C <sub>5</sub>	C <sub>6</sub>	22. 
411	000	000	017 -	064 C	<u> 230</u> 0	00	+ 000
Second Hi	ghest Delta "V	11					
23. L ————	24. 				C <sub>5</sub>	C <sub>6</sub>	25. 
							+
(Coded impact (250) (998)	ormed End Widt d when highest is an end pland Code to the ne 250 centimete No highest sev Unknown	severity e impact.) earest centimet rs or more		(650) (999) _/_/_/	Unknown 3.6 inches	ers or more X 2.54 = <u>2</u> 8	287 2 centimeters
(For hi	Damage Width ghest severity i Code to the ne 250 centimete Unknown	arest centimet	<u> 250</u> er	(185)	al Average Tra Code to the r centimter 185 centimer Unknown O. 9 inches	nearest	

			FUEL SYSTEM
30.	Are CDCs Documented but Not Coded on The	0	35. Location of Fuel Tank-1 Filler Cap  36. Location of Fuel Tank-2 Filler Cap
	Automated File? (0) No (1) Yes		(0) No fuel tank (1) On back plane (2) Aft of center of the rear wheels (rear axle) on left side plane
31.	Researcher's Assessment of Vehicle Disposition (0) Not towed due to vehicle damage (1) Towed due to vehicle damage (9) Unknown		<ul> <li>(3) Aft of center of the rear wheels (rear axle) on right side plane</li> <li>(4) Forward of center of the rear wheels (rear axle) on left side plane</li> <li>(5) Forward of center of the rear wheels (rear axle) on right side plane</li> <li>(6) Over the center of the rear wheels (rear axle) on left side plane</li> </ul>
32.	Is This A Multi-Stage Manufactured Vehicle And/Or A Certified Altered Vehicle? (0) No post manufacturer modifications (1) Yes - post manufacturer modifications (specify):	<u>U</u>	(7) Over the center of the rear wheels (rear axle) on right side plane (8) Other (specify): (9) Unknown  37. Type of Fuel Tank-1
	(Include photograph of CERTIFICATION PLACARD in case report) (9) Unknown if vehicle is modified		38. Type of Fuel Tank-2 (0) No fuel tank (electrical vehicle) (1) Metallic (2) Non-metallic (9) Unknown
	FIRE OCCURRENCE		39. Location of Fuel Tank-1
	Fire Occurrence (0) No fire  Yes, fire occurred (1) Minor (2) Major (9) Unknown	<u>0</u>	40. Location of Fuel Tank-2  (0) No fuel tank  (1) Aft of center of the rear wheels (rear axle) centered  (2) Aft of center of the rear wheels (rear axle) left side  (3) Aft of center of the rear wheels (rear axle) right side  (4) Forward of center of the rear wheels (rear axle) centered  (5) Forward of center of the rear wheels (rear
34.	Origin of Fire  (0) No fire  (1) Vehicle exterior (front, side, back, top)  (2) Exhaust system  (3) Fuel tank (and other fuel retention system parts)  (4) Engine compartment  (5) Cargo/trunk compartment  (6) Instrument panel  (7) Passenger compartment area  (8) Other location (specify):  (9) Unknown	<u>U</u>	axle) left side  (6) Forward of center of the rear wheels (rear axle) right side  (7) Over center of the rear wheels (rear axle)  (8) Other (specify):  (9) Unknown  41. Damage to Fuel Tank-1  42. Damage to Fuel Tank-2  (0) No fuel tank  (1) No damage to fuel tank  (2) Deformed, no seam failure  (3) Deformed, with a seam failure  (4) Punctured  (5) Lacerated (ripped)  (6) Abraded (scraped)  (7) Filler neck separation from the fuel tank  (8) Other damage (specify):  (9) Unknown

43.	Leakage Location of Fuel System-1	47. Is This Vehicle Equipped With More Than  Two Fuel Tanks?
44.	Leakage Location of Fuel System-2	(0) No (one or two tanks only)
	(0) No fuel tank	Yes - More Than Two Tanks
	(1) No fuel leakage	
		(1) Yes no damage to any tank or filler
	Primary Area Of Leakage	cap and <u>no fuel system leakage</u>
	(2) Tank	(2) Yes <u>no damage</u> to any tank or filler
	(3) Filler neck	cap but there is fuel system leakage
	(4) Cap	(specify leakage location):
	(5) Lines/pump/filter	
	(6) Vent/emission recovery	(3) Yes damage to an additional tank or
	(8) Other (specify):	filler cap and there is fuel system leakage
	(9) Unknown	(specify the following):
	(9) Onknown	Type of tank
	7) /	
45.	Fuel Type-1	Filler cap location Tank damage
•	- ·- ·	Tank damage
46.	Fuel Type-2	Location of leakage
		Type of fuel(9) Unknown if more than two tanks
	Single Fuel Type	(9) Unknown it more than two tanks
	(00) No fuel tank	
	(01) Gasoline	
	(O2) Diesel	00141451170
	(O3) CNG (Compressed Natural Gas)	COMMENTS
	(04) LPG (Liquid Petroleum Gas) also	
	known as Propane	
l	(05) LNG (Liquid Natural Gas)	
	(06) Methanol (M100 or M85)	
	(07) Ethanol (E100 or E85)	
l	(08) Other (Hydrogen or others) (specify):	
	Electric Powered or Electric/Solar	
	Powered Vehicles	
	(10) Lead Acid Battery	
	(11) Nickel-Iron Battery	
	(12) Nickel-Cadmium Battery	
	(13) Sodium Metal Chloride Battery	
	(14) Sodium Sulfur Battery	
	(18) Other (Specify):	
	(98) Other Hybrid (specify):	
	(99) Unknown fuel type	
1		
	*** STOP: IF THE CDS APPLICA	ARLE VEHICLE WAS NOT TOWED ***

(GV10 = 0)

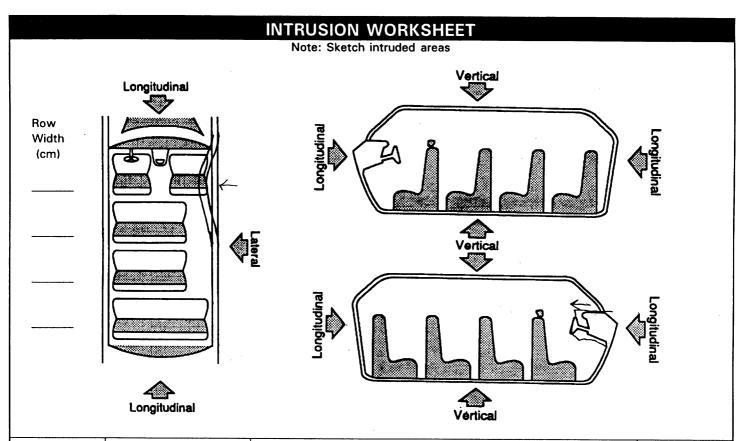
DO NOT COMPLETE THE INTERIOR VEHICLE FORM.

National Highway Traffic Safety

## INTERIOR VEHICLE FORM

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

Administration	CRASHWORTHINESS DATA SYST
1. Primary Sampling Unit Number 09	GLAZING
1005	Type of Window/Windshield Glazing
2. Case Number - Stratum	15. WS $\frac{1}{2}$ 16. LF $\frac{2}{2}$ 17. RF $\frac{2}{2}$ 18. LR $\frac{2}{2}$ 19. RR $\frac{2}{2}$
3. Vehicle Number	20. BL <u>2</u> 21. Roof <u>0</u> 22. Other <u>0</u>
INTEGRITY	(0) No glazing
4. Passenger Compartment Integrity (00) No integrity loss  Yes, Integrity Was Lost Through (01) Windshield (02) Door (side) (03) Door/hatch (back door) (04) Roof (05) Roof glass (06) Side window (07) Rear window (backlight) (08) Roof and roof glass (09) Windshield and door (side) (10) Windshield and roof (11) Side and rear window (side window and backlight) (12) Windshield and side window (13) Door and side window (98) Other combination of above (specify):	(1) AS-1 — Laminated (2) AS-2 — Tempered (3) AS-3 — Tempered-tinted (original) (4) AS-2 — Tempered-with after market tint (5) AS-3 — Tempered-tinted (with additional after market tint) (6) AS-14 — Glass/Plastic (7) Glazing removed prior to accident (8) Other (specify): (9) Unknown  Window Precrash Glazing Status  23. WS / 24. LF / 25. RF / 26. LR / 27. RR /  28. BL / 29. Roof / 30. Other  (0) No glazing (1) Fixed (2) Closed (3) Partially opened (4) Fully opened (7) Glazing removed prior to accident (9) Unknown
Door, Tailgate or Hatch Opening	Glazing Damage from Impact Forces
5. LF 6. RF 7. LR 8. RR 9. TG/H  (0) No door/gate/hatch (1) Door/gate/hatch remained closed and operational (2) Door/gate/hatch came open during collision (3) Door/gate/hatch jammed shut (8) Other (specify):  (9) Unknown	31. WS 32. LF 33. RF 34. LR 35. RR  36. BL 37. Roof 38. Other  (0) No glazing (1) No glazing damage from impact forces (2) Glazing in place and cracked from impact forces (3) Glazing in place and holed from impact forces (4) Glazing out-of-place (cracked or not) and not holed from impact forces (5) Glazing out-of-place and holed from impact forces
Damage/Failure Associated with Door, Tailgate or Hatch Opening in Collision. If IV05-IV09 ≠ 2, Then code Ø	<ul><li>(6) Glazing disintegrated from impact forces</li><li>(7) Glazing removed prior to accident</li><li>(9) Unknown if damaged</li></ul>
10. LF $\underline{\mathcal{O}}$ 11. RF $\underline{\mathcal{O}}$ 12. LR $\underline{\mathcal{O}}$ 13. RR $\underline{\mathcal{O}}$ 14. TG/H $\underline{\mathcal{O}}$	Glazing Damage from Occupant Contact
(0) No door/gate/hatch or door not opened	39. WS / 40. LF / 41. RF / 42. LR / 43. RR
Door, Tailgate or Hatch Came Open During Collision (1) Door operational (no damage) (2) Latch/striker failure due to damage (3) Hinge failure due to damage (4) Door structure failure due to damage (5) Door support (i.e., pillar, sill, roof side rail, etc.) failure due to damage (6) Latch/striker and hinge failure due to damage (8) Other failure (specify):	44. BL 45. Roof 46. Other  (0) No glazing (1) No occupant contact to glazing (2) Glazing contacted by occupant but no glazing damage (3) Glazing in place and cracked by occupant contact (4) Glazing in place and holed by occupant contact (5) Glazing out-of-place (cracked or not) by occupant contact and not holed by occupant contact (6) Glazing out-of-place by occupant contact and holed by occupant contact (7) Glazing removed prior to accident (8) Glazing disintegrated by occupant contact (9) Unknown if contacted by occupant



LOCATION OF INTRUSION	INTRUDED COMPONENT	(All COMPARISON VALUE	Measu —	rements Are In Cer INTRUDED VALUE	ntimeters =	INTRUSION	DOMINANT CRUSH DIRECTION
/3	11 Door Panel	71	_	10	=	61	3
/3	06 A Pillar	64	_	3 (	=	33	3
13	14 Roof Side Rail	54	_	52	=	2	3
/3	18 5,11	66	_	34	=	32	3
/3	04 Ristpanl	16		13	=	3	2
12	03 Cinstpinal	17		h	=	//	2
23	12 Site Paml	72		54	=	18	3
23	18 5:11	71	_	52	=	19	3
03	07 B P://ar	72	_	56	=	16	3
23	14 Roof Sich Rail	54	_	52	=	2	3
			_		=		
			_		=		
			_		=		
			_		=		
			_		=		

## **OCCUPANT AREA INTRUSION**

Note	Note: If no intrusions, leave variables IV47-IV86 blank.						
	Location of Intrusion	Intruding Component	Magnitude of Intrusion	Dominant Crush Direction			
1st	47/_3	48/	49. <u></u> 6	50/			
2nd	51. <u>/</u> 3_	52. 06	53	54.			
3rd	55	56. / 8	57.4	58.			
4th	59. 2 3	60. 18	613	62.			
5th	632_3	64	65. 3	66.3			
6th	67	68. 0 7	693	70. 3			
7th	71/_2	72. 03	73	74.2			
8th	75. <u>/</u> 3	76. <u>64</u>	77	<sub>78.</sub>			
9th	79	80	81	82			

10th 83.\_\_\_\_ 84.\_\_\_ 85.\_\_\_ 86.\_\_\_

## LOCATION OF INTRUSION

Front Seat
(11) Left
(12) Middle
(13) Right
-
Second Seat

(21) Left

(22) Middle

(23) Right

(41) Left
(42) Middle
(43) Right
(97) Catastrophic
(98) Other enclosed area (specify)

## Third Seat

- (31) Left
- (32) Middle
- (33) Right

## (99) Unknown

Fourth Seat

#### INTRUDING COMPONENT

## Interior Components

- (01) Steering assembly
- (02) Instrument panel left
- (03) Instrument panel center
- (04) Instrument panel right
- (05) Toe pan
- (06) A (A1/A2)-pillar
- (07) B-pillar
- (08) C-pillar
- (09) D-pillar
- (10) Side panel forward of the A1/A2-pillar
- (11) Door panel (side)
- (12) Side panel rear of the B-pillar
- (13) Roof (or convertible top)
- (14) Roof side rail
- (15) Windshield
- (16) Windshield header
- (17) Window frame
- (18) Floor pan (includes sill)
- (19) Backlight header
- (20) Front seat back
- (21) Second seat back
- (22) Third seat back
- (23) Fourth seat back
- (24) Fifth seat back
- (25) Seat cushion
- (26) Back door/panel (e.g., tailgate)
- (27) Other interior component (specify):

## **Exterior Components**

- (30) Hood
- (31) Outside surface of this vehicle (specify):
- (32) Other exterior object in the environment (specify):
- (33) Unknown exterior object
- (97) Catastrophic
- (98) Intrusion of unlisted component(s)
   (specify):
- (99) Unknown

## MAGNITUDE OF INTRUSION

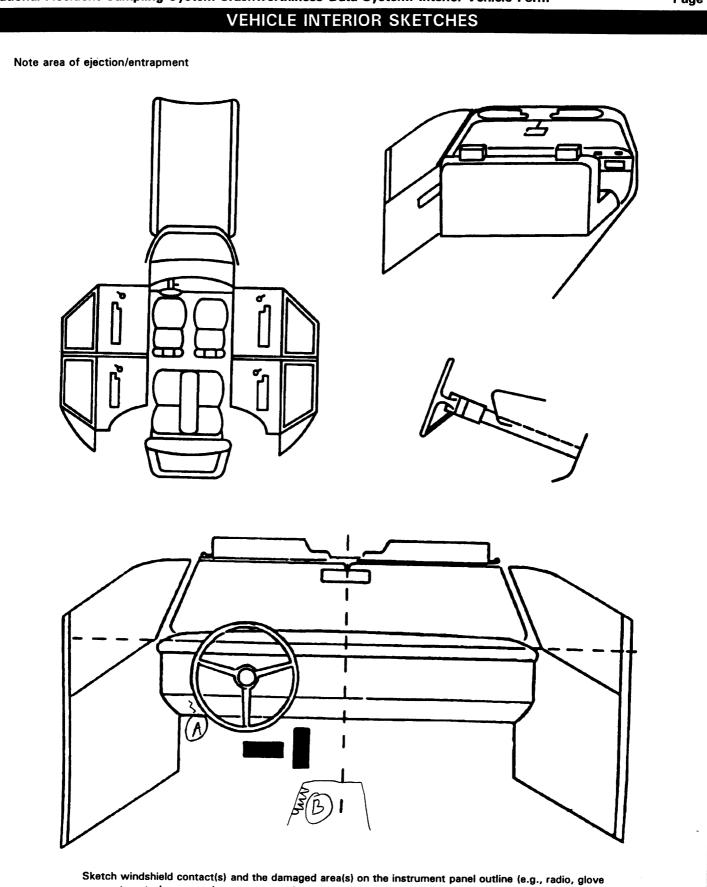
- (1)  $\geq$  3 centimeters but < 8 centimeters
- (2)  $\geq$  8 centimeters but < 15 centimeters
- (3)  $\geq$  15 centimeters but < 30 centimeters
- (4)  $\geq$  30 centimeters but < 46 centimeters
- (5)  $\geq$  46 centimeters but < 61 centimeters
- (6)  $\geq$  61 centimeters
- (7) Catastrophic
- (9) Unknown

## DOMINANT CRUSH DIRECTION

- (1) Vertical
- (2) Longitudinal
- (3) Lateral
- (7) Catastrophic
- (9) Unknown

STEERING RIM/SPOKE DEFORMATION								
(All Measurements Are in Centimeters)								
COMPARISON VALUE	_	DAMAGE VALUE	=	DEFORMATION				
			=					
	_		=					
	_		=					
			=					
				•				

STEERING COLUMN	INSTRUMENT PANEL
87. Steering Column Type 2	92. Odometer Reading/
(2) Tilt column	kilometers Code to the nearest 1,000 kilometers
(3) Telescoping column (4) Tilt and telescoping column	(000) No odometer
(8) Other column type (specify):	(001) Less than 1,500 kilometers
(9) Unknown	(500) 499,500 kilometers or more (999) Unknown
(9) Unknown	(999) Unknown $-96.073$ miles x 1.6093 = $154.610$ kilometers
88. Tilt Steering Column Adjustment	Source: Dash Odomefer
(0) No tilt steering column (1) Full up	93. Instrument Panel Damage from
(2) Between full up and center	Occupant Contact?
(3) Center (4) Between center and full down	(1) Yes
(5) Full down	(9) Unknown
(9) Unknown	94. Type of Knee Bolster Covering
	(0) No knee bolster (1) Padded
89. Telescoping Steering Column Adjustment	(2) Rigid plastic
(0) No telescoping steering column (1) Full back	(8) Other (specify):
(1) Full back (2) Between full back and midpoint	(9) Unknown
(3) Midpoint	95. Knee Bolsters Deformed from
<ul><li>(4) Between midpoint and full forward</li><li>(5) Full forward</li></ul>	Occupant Contact? (0) No knee bolster
(9) Unknown	(1) No deformation
	(2) Yes - deformation (9) Unknown
90. Steering Rim/Spoke Deformation	
Code actual measured	96. Did Glove Compartment Door Open
deformation to the nearest centimeter (00) No steering rim deformation	During Collision(s)? (0) No glove compartment door
(01-14) Actual measured value in centimeters	(1) No - door did not open
(15) 15 centimeters or more (98) Observed deformation cannot be measured	(2) Yes - door opened (9) Unknown
(99) Unknown	
	97. Adaptive (Assistive) Driving Equipment (0) No adaptive driving equipment
91. Location of Steering Rim/Spoke	(1) Adaptive driving equipment installed
Deformation	(Check all that apply.)
(00) No steering rim deformation	[ ] Hand controls for braking/acceleration [ ] Steering control devices (attached to OEM
Quarter Sections (01) Section A	steering wheel [ ] Steering knob attached to steering wheel
(O2) Section B	[] Low effort power steering (unit or device)
(03) Section C	[ ] Replacement steering wheel (i.e., reduced
(04) Section D	diameter) [ ] Joy-stick steering controls
Half Sections	[ ] Wheelchair tie-downs
(05) Upper half of rim/spoke (06) Lower half of rim/spoke	[] Modification to seat belts (specify):
(07) Left half of rim/spoke (08) Right half of rim/spoke	[ ] Additional or relocated switches (specify):
	[ ] Raised roof
(09) Complete steering wheel collapse (10) Undetermined location	[ ] Wall-mounted head rest (used behind wheelchair)
(99) Unknown	[ ] Other adaptive device (specify):
	(9) Unknown



compartment, damage to instrument panel structure.

Cross hatch contact points, draw spider webs or use other annotation as may be appropriate.

Annotate the contacted area with a letter (begin with A) and list on the Points of Occupant Contact page.

		POIN	ITS OF OCC	UPANT CONTACT		
Contact	Interior Component Contacted	Occupant No. If Known	Body Region If Known	Supporting Physical Ev		Confidence Level of Contact Point
A	010	21		scuff on lower panel	7	2
В	163		R-Thigh	sculf on lower panil Console cracked + lid	bent	/
C	16)		11 / 1			<u> </u>
E						
F						
G						
н						
1						
J						
K						
L			*			
M						
N						
006) Steering vof codes ( 007) Steering column, troselector le attachmei  008) Cellular te radio  009) Add on ed deck, air ( 010) Left instrubelow  011) Center ins below  012) Right instrubelow  013) Glove cor ( 014) Windshiel more of the header, A instrumen (passenge 017) Windshiel exterior o  019) Other from ( 019) Other from ( 019) Other from ( 019) Steering a side only) ( 016) Windshiel exterior o  019) Other from ( 01	wheel hub/spoke wheel (combination 204 and 005)  ansmission wer, other the combination wer, other the combination wer, other the combination t	exclude armres (052) Left si armres (053) Left A (054) Left B (055) Other (056) Left si (057) Left si (058) Left si includi follow sill, A or roor (060) Other (101) Right: exclude armres (102) Right: 1044 Right (104) Right: 1050 Other (106) Right: 1071 Right: 1081 Right: 1098 Right: 1098 Right: 1098 Right: 1099 Right: 1099 Right: 1091 Right	ide hardware or st (A1/A2)-pillar -pillar (specify): ide window glass ide window glass ing one or more of the ing: frame, window (A1/A2)-pillar, B-pillar, f side rail. left side object fy):side interior surface, ling hardware or st side hardware or st A (A1/A2)-pillar	(163) Other interior object (specify): Control Consol C  AIR BAG (170) Air bag-driver side (175) Air bag compartment cover-driver side (180) Air bag-passenger side (185) Air bag compartment cover-passenger side (190) Other air bag (specify)  (195) Other air bag compartment cover (specify)  ROOF (201) Front header (202) Rear header (203) Roof left side rail (204) Roof right side rail (205) Roof or convertible top  FLOOR (251) Floor (including toe pan) (252) Floor or console mounted transmission lever, including	(302) Backlight stora door, etc. (303) Other rear objections of the control of th	/E) DRIVING for ration ol devices EM steering wheel diameter) ring controls downs o seat belts, elocated scify):
				console (253) Parking brake handle (254) Foot controls including parking brake	CONFIDENCE LEVEL POINT (1) Certain (2) Probable (3) Possible (9) Unknown	OF CONTACT

## MANUAL RESTRAINTS

NOTES: Encode the applicable data for each seat position in the vehicle. The attribute for the variable may be found below Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form. If a Child safety seat is present, encode the data on the back of this page.

If the vehicle has automatic restraints available, encode the appropriate data on the back of the previous page.

		Left	Center	Right
-	Availability	3		3
F	Evidence of usage	03		03
l R	Used in this crash?	03		03
S	Proper Use	/		7
Т	Failure Modes	/		1
	Anchorage Adjustment	0		0
	Availability	4	3	4
s	Evidence of usage	00	00	00
Ē	Used in this crash?	00	00	00
ŏ	Proper Use	0	0	0
SECOND	Failure Modes	0	0	0
	Anchorage Adjustment		0	
	Availability			
0	Evidence of usage			
H E R	Used in this crash?			
	Proper Use			
	Failure Modes			
	Anchorage Adjustment	$V = \overline{}$		/

	Anchorage Adjustment	$\vee$
/lanua	l (Active) Belt System Availability	Proper
(0)	None available	(0
(1)	Belt removed/destroyed	(1)
(2)	Shoulder belt	(2
(3)	Lap belt	
(4)	Lap and shoulder belt	
(5)	Belt available - type unknown	Be
		(3)
Inte	gral Belt Partially Destroyed	(4
(6)	Shoulder belt (lap belt	•
	destroyed/removed)	(5)
(7)	Lap belt (shoulder belt	
	destroyed/removed)	(6
(8)	Other belt (specify):	(7
(9)	Unknown	•
_		(8
	l (Active) Belt System Use	
(00)	None used, not available, or belt	
	removed/destroyed	(9
(01)	Inoperable (specify):	
(02)	Shoulder belt	Manua
(03)	Lap belt	Accide
(04)	Lap and shoulder belt	(0
(05)	Belt used - type unknown	(1
(80)	Other belt used (specify):	(2
(12)	Shoulder belt used with child safety	(3

Lap belt used with child safety seat

Lap and shoulder belt used with

Belt used with child safety seat -

Other belt used with child safety

seat

child safety seat

type unknown

seat (specify):

Unknown if belt used

(13)

(14)

(15)

(18)

(99)

#### Use of Manual (Active) Belts None used or not available

- Belt used properly
- Belt used properly with child safety

## elt Used Improperly

- Shoulder belt worn under arm
- Shoulder belt worn behind back or seat
- Belt worn around more than one person
- Lap belt worn on abdomen
- Lap belt or lap and shoulder belt used improperly with child safety seat (specify):
- Other improper use of manual belt system (specify):
- Unknown

#### Shoulder Belt Upper Anchorage Adjustment

- (0) No shoulder belt
- (1) No upper anchorage adjustment for shoulder belt

#### Adjustable shoulder Belt Upper Anchorage

- (2) In full up position
- (3) In mid position
- (4)In full down position
- Position unknown (5)
- (9) Unknown if position has adjustable upper anchorage adjustment

#### al (Active) Belt Failure Modes During ent No manual belt used or not available No manual belt failure(s) Torn webbing (stretched webbing not included)

- Broken buckle or latchplate
- (4) Upper anchorage separated
- (5) Other anchorage separated (specify):
- (6)**Broken retractor**
- (7)Combination of above (specify):
- Other manual belt failure (specify): (8)
- (9) Unknown

## **AUTOMATIC RESTRAINTS**

NOTES: Encode the data for each applicable front seat position. The attribute for the variables may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

AIR BAGS

		Left Front	Right Front	Other
F I R S T	Availability/Function			
	Deployment			
	Failure			

#### Air Bag System Availability/Function

- (0) Not equipped/not available
- (1) Air bag

#### Non-functional

- (2) Air bag disconnected (specify):
- (3) Air bag not reinstalled
- (9) Unknown

#### Are There Indications of Air Bag System Failure? (This Occupant Position)

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify):
- (9) Unknown

# Frontal Air Bag System Deployment (This Occupant Position)

- (0) Not equipped/not available
- (1) Deployed during accident (as a result of impact)
- (2) Deployed inadvertently just prior to accident
- (3) Deployed, accident sequence undetermined
- (4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical)
- (5) Unknown if deployed
- (7) Nondeployed
- (9) Unknown

# Air Bag(s) Deployment, <u>Other</u> Than First Seat Frontal (This Occupant Position)

- (0) Not equipped with an \*other\* air bag
- (1) Deployed during accident (as a result of impact)
- (2) Deployed inadvertently just prior to accident
- (3) Deployed, details unknown
- (4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical)
- (5) Unknown if deployed
- (7) Nondeployed
- (9) Unknown

## **AUTOMATIC BELTS**

		Left	Right
F I R S T	Availability/Function		
	Use		No Occupant
	Туре	2	2
	Proper Use	l	0
	Failure Modes	1	O

# Automatic (Passive) Belt System Availability/Function

- (0) Not equipped/not available
- (1) 2 point automatic belts
- (2) 3 point automatic belts
- (3) Automatic belts type unknown

### Non-functional

- (4) Automatic belts destroyed or rendered inoperative
- (9) Unknown

#### Automatic (Passive) Belt System Use

- (0) Not equipped/not available/destroyed or rendered inoperative
- (1) Automatic belt in use
- (2) Automatic belt not in use (manually disconnected, motorized track inoperative)
- (3) Automatic belt use unknown
- (9) Unknown

#### Automatic (Passive) Belt System Type

- (0) Not equipped/not available
- (1) Non-motorized system
- (2) Motorized system
- (9) Unknown

# Proper Use of Automatic (Passive) Belt System

- (0) Not equipped/not available/not used
- (1) Automatic belt used properly
- (2) Automatic belt used properly with child safety seat

#### Automatic Belt Used Improperly

- (3) Automatic shoulder belt worn under
- (4) Automatic shoulder belt worn behind
- (5) Automatic belt worn around more than one person
- (6) Lap portion of automatic belt worn on abdomen
- (7) Automatic lap and shoulder belt or automatic shoulder belt used improperly with child safety seat (specify):
- (8) Other improper use of automatic belt system (specify):
- (9) Unknown

## Automatic (Passive) Belt Failure Modes During Accident

- (0) Not equipped/not available/not in use
- (1) No automatic belt failure(s)
- (2) Torn webbing (stretched webbing not included)
- (3) Broken buckle or latchplate
- (4) Upper anchorage separated
- (5) Other anchorage separated (specify):
- (6) Broken retractor
- (7) Combination of above (specify):
- (8) Other automatic belt failure (specify):
- (9) Unknown

## FIRST SEAT FRONTAL AIR BAGS

NOTES: Encode the applicable data *for the driver and first seat passenger* in the vehicle. The attribute for the variable may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

	Driver	Passenger
Type of air bag?		
Flaps open at tear points?		
Flaps damaged?		
Air bag damaged?		
Source of air bag damage		
Air bag tethered?		
Air bag have vent ports?		
Other occupant contact air bag?		
Occupant wearing eyewear?		

## Type of Air Bag

- (0) Not equipped/not available
- (1) Original manufacturer installed system
- (2) Retrofitted air bag
- (3) Replacement air bag
- (8) Unknown type of air bag
- (9) Unknown

# Did Air Bag Module Cover Flap(s) Open At Designated Tear Points?

- (0) Not equipped/not available
- (1) No
- (2) Yes
- (3) Deployed, unknown if flap(s) opened at designated tear points
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

# Were Air Bag Module Cover Flap(s) Damaged?

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify):
- (3) Deployed, unknown if air bag module cover flap(s) damaged
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

#### Was There Damage To The Air Bag?

- (00) Not equipped/not available
- (01) Not damaged

Yes - Air Bag Damage

- (02) Ruptured
- (03) Cut
- (04) Torn
- (05) Holed (06) Burned
- (07) Abraded
- (U7) Abraded
- (88) Other damage (specify):
- (95) Damaged, details unknown
- (96) Deployed, unknown if damaged
- (97) Not deployed
- (98) Unknown if deployed
- (99) Unknown

## Source of Air Bag Damage

- (00) Not equipped/not available
- (01) Not damaged
- (02) Object worn by occupant, (specify):
- (03) Object carried by occupant, (specify):
- (04) Adaptive/assistive controls, (specify):
- (05) Fire in vehicle
- (06) Thermal burns
- (07) Rescue or emergency efforts
- (88) Other damage source (specify):
- (95) Damaged, unknown source
- (96) Deployed, unknown if damaged
- (97) Not deployed
- (98) Unknown if deployed
- (99) Unknown

#### Was The Air Bag Tethered?

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify number of tether straps):
- (3) Deployed, unknown if tethered
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

#### Did The Air Bag Have Vent Ports?

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify number of vent ports):
- (3) Deployed, unknown if vent ports present
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

# Was the Air Bag in this Occupant's Position Contacted by Another Occupant?

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify):
- (3) Deployed, unknown if other occupant contact to air bag
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

### Was This Occupant Wearing Eye-wear?

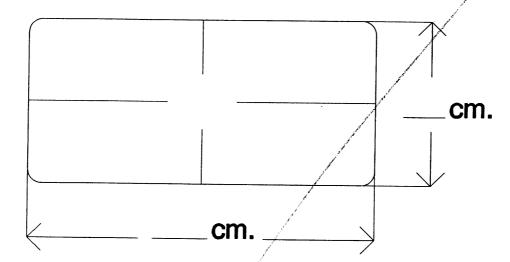
- (0) Not equipped/not available
- (1) No
- (2) Eyeglasses/sunglasses
- (3) Contact lenses
- (4) Deployed, unknown if eyewear worn
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

# National Accident Sampling System-Crashworthiness Data System: Interior Vehicle Form Page 7 DRIVER AIR BAG DAMAGE AND CONTACT SKETCHES 1. SKETCH DAMAGE AND CONTACT EVIDENCE ON DRIVER AIR BAG (Front) cm. 2. SKETCH DAMAGE AND CONTACT EVIDENCE ON DRIVER AIR BAG (Back)

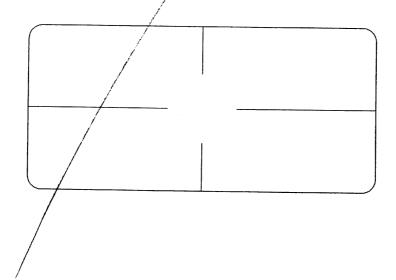
DRIVER AIR BAG S	KETCHES (Cont'd)
3. DRIVER AIR BAG MODULE COVER FLAP SIZE (DOUBLE) a. Upper Flap b. Lower Flap width (W <sub>U</sub> ) width (W <sub>L</sub> ) height (H <sub>U</sub> ) height (H <sub>L</sub> )	
W <sub>0</sub>	
4. SKETCH OF OTHER TYPE OF AIR BAG MODULE FLAP AND SIZE	5. SKETCH OF OTHER TYPE OF AIR BAG VENT PORTS
6. SKETCH LOCATION OF CIRCULAR AIR BAG VENT PORTS  11 12 1 10 2 9 3 8 4 7 6 5	

# PASSENGER AIR BAG DAMAGE AND CONTACT SKETCHES

1. SKETCH DAMAGE AND CONTACT EVIDENCE ON PASSENGER AIR BAG (Front)



2. SKETCH DAMAGE AND CONTACT EVIDENCE ON PASSENGER AIR BAG (Back)



PASSENGER AIR BA	G SKETCHES (Cont'd)
3. PASSENGER AIR BAG MODULE COVER FLAP SIZE (SINGLE) a. Flap width (W) height (H)  W	4. PASSENGER AIR BAG MODULE COVER FLAP SIZE (DOUBLE)  a. Upper Flap  width (Wu)  height (Hu)  H,  H,  H,  W  W  W  W  W  H,  H,  H,
5. SKETCH OF OTHER TYPE OF AIR BAG MODULE FLAP AND SIZE	6. SKETCH OF OTHER TYPE OF AIR BAG VENT PORTS
7. SKETCH LOCATION OF RECTANGULAR AIR BAG VENT PORTS  10 11 12 1 2 9 3 8 7 6 5 4	

"OTHER" AIR BAG DAMAGE AND CONTACT SKETCHES	
1. SKETCH DAMAGE AND CONTACT EVIDENCE ON "OTHER" AIR BAG (Front)	
2. SKETCH DAMAGE AND CONTACT EVIDENCE ON "OTHER" AIR BAG (Back)	

"OTHER" AIR BAG SKETCHES (Cont'd)
3. SKETCH AIR BAG MODULE FLAP AND SIZE OR OPENING FOR AIRBAG
/
4. SVETCH AIR RAG VENT PORTO
4. SKETCH AIR BAG VENT PORTS

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### **HEAD RESTRAINTS/SEAT EVALUATION**

NOTES: Encode the applicable data for each seat position in the vehicle. The attribute for these variables may be found at the bottom of the page. Head restraint type/damage and seat type/performance should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

		Left	Center	Right
	Head Restraint Type/Damage	3		3
F	Seat Type	02		02
I R	Seat Performance	1		0
S	Seat Orientation	1		0
Т	Seat Track Position	Ч		0
	Seat Back Incline Pre/Post Impact	14		00
	Head Restraint Type/Damage	0	0	0
S	Seat Type	03	03	03
Ë	Seat Performance	0	0	0
Ō	Seat Orientation	0	0	0
N D	Seat Track Position	0	0	0
	Seat Back Incline Pre/Post Impact	00	90	00
	Head Restraint Type/Damage			/
Т	Seat Type			
H	Seat Performance			
R D	Seat Orientation			
	Seat Track Position			
	Seat Back Incline Pre/Post Impact			
	Head Restraint Type/Damage			
O T	Seat Type			
н	Seat Performance			
E R	Seat Orientation			
	Seat Track Position			
	Seat Back Incline Pre/Post Impact			

DESCRIBE ANY INDICATION OF ABNORMAL OCCUPANT POSTURE
(I.E., UNUSUAL OCCUPANT CONTACT PATTERN)

### **HEAD RESTRAINTS/SEAT EVALUATION**

### Head Restraint Type/Damage by Occupant at This Occupant Position Position)

- (0) No head restraints
- (1) Integral no damage(2) Integral damaged during accident
- Adjustable no damage
- · (4) Adjustable damaged during accident
- (5) Add-on no damage
- Add-on damaged during (6)accident
- (8)Other Specify):
- (9) Unknown

### Seat Type (this Occupant Position)

- (00) Occupant not seated or no seat
- (01) Bucket
- (02) Bucket with folding back
- (03)Bench
- Bench with separate back (04)cushions
- (05) Bench with folding back(s)
- (06)Split bench with separate back cushions
- (07)Split bench with folding back(s)
- (08) Pedestal (i.e., column supported)
- (09)Other seat type (specify):
- (10) Box mounted seat (i.e., van type)
- (99)Unknown

## Seat Performance (this Occupant

- (0) Occupant not seated or no seat
- (1) No seat performance failure(s)
- Seat adjusters failed
- Seat back folding locks or "seat back" failed (specify):
- Seat tracks/anchors failed
- (5) Deformed by impact of occupant
- (6) Deformed by passenger compartment intrusion (specify):
- (7) Combination of above (specify):
- (8) Other (specify):
- (9) Unknown

#### **Seat Orientation (this Occupant** Position)

- (0) Occupant not seated or no seat
- Forward facing seat (1)
- Rear facing seat
- Side facing seat (inward) (3)
- Side facing seat (outward) (4)
- (8) Other (specify):
- (9) Unknown

## Seat Track Adjusted Position Prior To

- (0) Occupant not seated or no seat
- (1) Non-adjustable seat track

### Adjustable Seat Track

- (2) Seat at forward most track position
- (3) Seat between forward most and middle track positions
- (4) Seat at middle track position
- (5) Seat between middle and rear most track positions
- Seat at rear most track position
- (9) Unknown

#### Seat Back Incline Prior and Post Impact

- (00) Occupant not seated or no seat
- (01) Not adjustable

#### Upright prior to impact

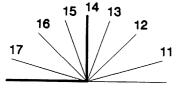
- (11) Moved to completely rearward position
- Moved to rearward midrange (12)position
- (13)Moved to slightly rearward position
- Retained pre-impact position
- Moved to slightly forward (15)position
- Moved to forward midrange (16)position
- Moved to completely forward (17)position

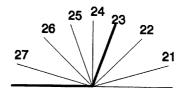
### Slightly reclined prior to impact

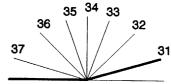
- (21) Moved to completely rearward position
- Moved to rearward midrange (22)position
- (23)Retained pre-impact postion
- (24)Moved to upright position
- (25)Moved to slightly forward position
- (26)Moved to forward midrange position
- (27)Moved to completely forward position

### Completely reclined prior to impact

- Retained pre-impact position
- Moved to rearward midrange (32)position
- (33)Moved to slightly rearward position
- (34)Moved to upright position
- Moved to slightly forward position
- Moved to forward midrange (36) position
- (37)Moved to completely forward position
- (99) Unknown







Coding diagrams for Seat Back Incline Position Prior and Post Impact

	CHILD SAFET	Y SEAT FIE	LD ASSE	SSMENT		
Wh the	en a child safety seat is present enter the coccupant's number using the codes lister	occupant's num	ber in the fi	rst row and co	omplete the colo hild safety sea	umn below t present.
Oc	cupant Number					<del>/</del>
1.	Type of Child Safety Seat					
2.	Child Safety Seat Orientation					
3.	Child Safety Seat Harness Usage					
4.	Child Safety Seat Shield Usage					
5.	Child Safety Seat Tether Usage			·		
6.	Child Safety Seat Make/Model	Specify E	Below for Ea	ach Child Safe	ty Seat	
	Type of Child Safety Seat  (0) No child safety seat (1) Infant seat (2) Toddler seat (3) Convertible seat (4) Booster seat (7) Other type child safety seat (specify) (8) Unknown child safety seat type (9) Unknown if child safety seat used Child Safety Seat Orientation (00) No child safety seat Designed for Rear Facing for This Age/Weight (01) Rear facing (02) Forward facing (08) Other orientation (specify):	5.	Child Safe Note: Opi (00) No o  Not Desig (01) Afte adde (02) Afte (03) Chile harr (09) Unk adde  Designed (11) Harr (12) Harr	child safety segmed with Harder market harned research market harned safety seat hown if harned or used  With Harness ness/shield/tet ness/shield/tet ness/shield/tet ness/shield/tet ness/shield/tet	er Usage re Used for Val eat ness/Shield/Tet ess/shield/tethe used, but no af her added ss/shield/tether /Shield/Tether her not used	her er er used ter market
3	Designed for Forward Facing for This Age/Weight (11) Rear facing (12) Forward facing (18) Other orientation (specify): (19) Unknown orientation Unknown Design or Orientation For This Age/Weight, or Unknown Age/Weight (21) Rear facing (22) Forward facing (22) Forward facing (28) Other orientation (specify): (29) Unknown orientation (99) Unknown if child safety seat used Child Safety Seat Harness Usage	6.	(21) Harr (22) Harr (29) Unk (99) Unk Child Safe	ness/shield/tet ness/shield/tet nown if harne nown if child s ety Seat Make	her used ss/shield/tether safety seat use	used

	EJECTION/ENTRA	APMENT DA	ATA	· 5. (·	ii ·	
Complete the following if the researcher has any indication that an occupant was either ejected from or entrappe in the vehicle. Code the appropriate data on the Occupant Assessment Form.						
	EJECTION No [ ] Yes [ ] Describe indications of ejection and body parts involved in partial ejection(s):					
-						
Occupant Number						
Ejection						
(Note on Vehicle Interior Sketch) Ejection Area						
Ejection Medium						
Medium Status						
Ejection (1) Complete ejection (2) Partial ejection (3) Ejection, Unknown degree (9) Unknown  Ejection Area (1) Windshield (2) Left front (3) Right front (4) Left rear (5) Right rear (6) Rear	(7) Roof (8) Other area (e.govern) (9) Unknown  Ejection Medium (1) Door/hatch/tail (2) Nonfixed roof (3) Fixed glazing (4) Nonfixed glazing	specify):  Igate structure	(8) Oth (9) Unk  Medium S to Impact (1) Ope (2) Close	Status (Immedia t) en sed egral structure		
ENTRAPMENT No [ ] Yes  Describe entrapment mechanism:	S [ ]					
Component(s):						
(Note in vehicle interior diagram)						



U.S. Department of Transportation

## **OCCUPANT ASSESSMENT FORM**

Form Approved O.M.B. No. 2127-0021

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

National Highway Traffic Safety

dministration	OCCUPANT'S SEATING
1. Primary Sampling Unit Number	10. Occupant's Seat Position
2. Case Number - Stratum	Front Seat
3. Vehicle Number	(11) Left side (12) Middle
4. Consument Number	(13) Right side
4. Occupant Number	(14) Other (specify): (15) On or in the lap of another occupant
OCCUPANT'S CHARACTERISTICS	(15) On or in the lap of another occupant
5. Occupant's Age Code actual age at time of accident. (00) Less than one year old (specify by month):  (97) 97 years and older	Second Seat (21) Left side (22) Middle (23) Right side (24) Other (specify):
(99) Unknown	(25) On or in the lap of another occupant
6. Occupant's Sex  (1) Male (2) Female-not reported pregnant (3) Female-pregnant-1st trimester(1st-3rd month) (4) Female-pregnant-2nd trimester(4th-6th month) (5) Female-pregnant-3rd trimester(7th-9th month) (6) Female-pregnant-term unknown (9) Unknown	Third Seat (31) Left side (32) Middle (33) Right side (34) Other (specify): (35) On or in the lap of another occupant  Fourth Seat (41) Left side (42) Middle (43) Right side (44) Other (specify):
7. Occupant's Height Code actual height to the nearest centimeter. (999) Unknown	(45) On or in the lap of another occupant  (97) In or on unenclosed area  (98) Other seat (specify):  (99) Unknown
<ul> <li>70 inches X 2.54 = 178 centimeters</li> <li>8. Occupant's Weight Code actual weight to the nearest kilogram. (999)Unknown</li> <li>136 pounds X .4536 = 062 kilograms</li> </ul>	11. Occupant's Posture (0) Normal posture  Abnormal posture (1) Kneeling or standing on seat (2) Lying on or across seat (3) Kneeling, standing or sitting in front of seat (4) Sitting sideways or turned to talk with another
9. Occupant's Role (1) Driver (2) Passenger (9) Unknown	occupant or to look out a rear window (5) Sitting on a console (6) Lying back in a reclined seat position (7) Bracing with feet or hands on a surface in front of seat (8) Other abnormal posture (specify):  (9) Unknown

EJECTIO	N/EN	TRAPMENT	aye a
12. Ejection (0) No ejection (1) Complete ejection (2) Partial ejection (3) Ejection, unknown degree (9) Unknown	2	15. Medium Status (Immediately Prior To Impact) (0) No ejection (1) Open (2) Closed (3) Integral structure (9) Unknown	0
13. Ejection Area (0) No ejection (1) Windshield (2) Left front (3) Right front (4) Left rear (5) Right rear (6) Rear (7) Roof (8) Other area (e.g., back of pickup, etc.) (specify): (9) Unknown		(0) Not entrapped/exit not inhibited (1) Entrapped/pinned - mechanically restrained (2) Could not exit vehicle due to jammed doors fire, etc. (specify):  (9) Unknown  17. Occupant Mobility (0) Occupant fatal before removed from vehicle (1) Removed from vehicle while unconscious o	4 <u> </u>
14. Ejection Medium (0) No ejection (1) Door/hatch/tailgate (2) Nonfixed roof structure (3) Fixed glazing (4) Nonfixed glazing (specify):  (5) Integral structure (8) Other medium (specify):  (9) Unknown	<u>0</u>	disoriented (2) Removed from vehicle due to injuries (3) Exited vehicle with some assistance (4) Exited vehicle under own power (5) Occupant fully ejected (9) Unknown	

	BELT SYSTEM	I FUNCTION
18.	Manual (Active) Belt System Availability (0) None available (1) Belt removed/destroyed (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt	22. Shoulder Belt Upper Anchorage Adjustment (0) No shoulder belt (1) No upper anchorage adjustment for shoulder belt  Adjustable shoulder Belt Upper Anchorage (2) In full up position
	Integral Belt Partially Destroyed (6) Shoulder belt (lap belt destroyed/removed) (7) Lap belt (shoulder belt destroyed/removed) (8) Other belt (specify):	<ul> <li>(3) In mid position</li> <li>(4) In full down position</li> <li>(5) Position unknown</li> <li>(9) Unknown if position has adjustable upper anchorage adjustment</li> <li>23. Automatic (Passive) Belt System Availability/</li> </ul>
	(9) Unknown	Function (0) Not equipped/not available
19.	Manual (Active) Belt System Use (00) None used, not available, or belt removed/destroyed	(1) 2 point automatic belts (2) 3 point automatic belts (3) Automatic belts - type unknown
	(01) Inoperative (specify):  (02) Shoulder belt	Non-functional (4) Automatic belts destroyed or rendered inoperative
	(03) Lap belt (04) Lap and shoulder belt (05) Belt used—type unknown (08) Other belt used (specify):	(9) Unknown  24. Automatic (Passive) Belt System Use (0) Not equipped/not available/destroyed or rendered inoperative
	<ul> <li>(12) Shoulder belt used with child safety seat</li> <li>(13) Lap belt used with child safety seat</li> <li>(14) Lap and shoulder belt used with child safety seat</li> </ul>	(1) Automatic belt in use (2) Automatic belt not in use (manually disconnected, motorized track inoperative) (specify): (3) Automatic belt use unknown
	(15) Belt used with child safety seat—type unknown (18) Other belt used with child safety seat	(9) Unknown 25. Automatic (Passive) Belt System Type
	(specify): (99) Unknown if belt used	(0) Not equipped/not available (1) Non-motorized system
20.	Proper Use of Manual (Active) Belts (0) None used or not available	(2) Motorized system (9) Unknown
	(1) Belt used properly (2) Belt used properly with child safety seat	26. Proper Use of Automatic (Passive)  Belt System (0) Not equipped/not available/not used
	Belt Used Improperly (3) Shoulder belt worn under arm (4) Shoulder belt worn behind back or seat (5) Belt worn around more than one person	(1) Automatic belt used properly (2) Automatic belt used properly with child safety seat
	<ul> <li>(6) Lap belt worn on abdomen</li> <li>(7) Lap belt or lap and shoulder belt used improperly with child safety seat (specify):</li> </ul>	Automatic Belt Used Improperly (3) Automatic shoulder belt worn under arm (4) Automatic shoulder belt worn behind back (5) Automatic belt worn around more than
	(8) Other improper use of manual belt system (specify):	one person (6) Lap portion of automatic belt worn on abdomen
	(9) Unknown	(7) Automatic lap and shoulder belt or automatic shoulder belt used improperly with child safety seat (specify):
21.	Manual (Active) Belt Failure Modes  During Accident	(8) Other improper use of automatic belt system
	<ul><li>(0) No manual belt used or not available</li><li>(1) No manual belt failure(s)</li><li>(2) Torn webbing (stretched webbing not</li></ul>	(specify):(9) Unknown
	included) (3) Broken buckle or latchplate	27. Automatic (Passive) Belt Failure Modes  During Accident
	(4) Upper anchorage separated (5) Other anchorage separated (specify):	(0) Not equipped/not available/not in use (1) No automatic belt failure(s) (2) Torn webbing (stretched webbing not included)
	(6) Broken retractor (7) Combination of above (specify):	(3) Broken buckle or latchplate (4) Upper anchorage separated (5) Other anchorage separated (specify):
	(8) Other manual belt failure (specify):	(6) Broken retractor
	(9) Unknown	<ul><li>(7) Combination of above (specify):</li><li>(8) Other automatic belt failure (specify):</li></ul>
		(9) Unknown

POLICE REPORTED RESTRAINT USE	AIR BAG SYSTEM FUNCTION
28. Police Reported Belt Use  (0) None used (1) Police did not indicate belt use (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt (5) Belt used, type not specified (6) Child safety seat (7) Automatic belt (8) Other type belt, (specify):  (9) Police indicated "unknown"	30. Frontal Air Bag System Availability/Function (This Occupant Position) (0) Not equipped/not available (1) Air bag  Non-functional (2) Air bag disconnected (specify):  (3) Air bag not reinstalled (9) Unknown  31. Frontal Air Bag System Deployment (This Occupant Position)
29. Police Reported Air Bag Availability/Function (0) No air bag available (1) Police did not indicate air bag availability/function (2) Deployed (3) Not deployed (4) Unknown if deployed (9) Police indicated "unknown"	<ul> <li>(0) Not equipped/not available</li> <li>(1) Deployed during accident (as a result of impact)</li> <li>(2) Deployed inadvertently just prior to accident</li> <li>(3) Deployed, details unknown</li> <li>(4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical)</li> <li>(5) Unknown if deployed</li> <li>(7) Nondeployed</li> <li>(9) Unknown</li> </ul>
Check the Primary Source Used In Determining Belt Use.  [ ] Not equipped/not available/destroyed or rendered inoperative [ Vehicle inspection [ ] Official injury data [ ] Driver/occupant interview [ ] Other (specify): [ ] Unknown if belt used	32. Other Than First Seat Frontal Air Bag Availability/Function (This Occupant Position) (0) Not equipped/not available (1) Air bag  Non-functional (2) Air bag disconnected (specify):  (3) Air bag not reinstalled (9) Unknown Specify type of "other" air bag present:
	33. Air Bag(s) Deployment, Other Than First Seat Frontal (This Occupant Position) (0) Not equipped with an "other" air bag (1) Deployed during accident (as a result of impact) (2) Deployed inadvertently just prior to accident (3) Deployed, details unknown (4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical) (5) Unknown if deployed (7) Nondeployed (9) Unknown  34. Are There Indications of Air Bag System Failure? (This Occupant Position) (0) Not equipped/not available (1) No (2) Yes (specify):

FIRST SEAT FRONTAL AIR	BAG SYSTEM EVALUATION
35. Had Vehicle Been in Previous Accident(s)?  (0) Not equipped/not available (1) No previous accidents  Yes (2) Previous accident(s) without deployment(s) (3) One previous accident with deployment (4) More than one previous accident with at least one deployment (8) Previous accidents, unknown deployment status (9) Unknown	40. Longitudinal Component of Polta V For Air Bag Deployment Impact (_000) Not equipped/not available Code the value of the delta V for the impact that initiated the air bag deployment (_996) Deployment, unknown longitudinal Delta V (_997) Not deployed (_998) Unknown if deployed (_999) Unknown
36. Type of Air Bag (0) Not equipped/not available (1) Original manufacturer installed system (2) Retrofitted air bag (3) Replacement air bag (8) Unknown type of air bag (9) Unknown	41. Did Air Bag Module Cover Flap(s) Open At Designated Tear Points? (0) Not equipped/not available (1) No (2) Yes (3) Deployed, unknown if flap(s) opened at designated tear points (7) Not deployed (8) Unknown if deployed (9) Unknown
37. Had Any Prior Maintenance/Service Been Performed On This Air Bag System? (0) Not equipped/not available (1) No prior maintenance (2) Yes, prior maintenance (specify): (9) Unknown  38. Air Bag Deployment Accident Event Sequence Number (00) Not equipped/not available	42. Were Air Bag Module Cover Flap(s) Damaged?  (0) Not equipped/not available  (1) No  (2) Yes (specify):  (3) Deployed, unknown if air bag module cover flap(s) damaged  (7) Not deployed  (8) Unknown if deployed  (9) Unknown
Code the accident event sequence number that initiated the air bag deployment (96) Deployed, unknown event (97) Not deployed (98) Unknown if deployed (99) Unknown  39. CDC For Air Bag Deployment Impact (0) Not equipped/not available (1) Highest delta V	43. Was There Damage To The Air Bag? (00) Not equipped/not available (01) Not damaged  Yes - Air Bag Damage (02) Ruptured (03) Cut (04) Torn (05) Holed (06) Burned (07) Abraded
(2) Second highest delta V (3) Other non-coded delta V (specify):  (6) Deployed, unknown event (7) Not deployed (8) Unknown if deployed (9) Unknown	(88) Other damage (specify):  (95) Damaged, details unknown (96) Deployed, unknown if damaged (97) Not deployed (98) Unknown if deployed (99) Unknown

	FIRST SEAT FRONTAL AIR BAG SYSTEM EVALUATION continued	HEAD RESTRAINT AND SEAT EVALUATION
44.	Source of Air Bag Damage (00) Not equipped/not available (01) Not damaged (02) Object worn by occupant, (specify): (03) Object carried by occupant, (specify): (04) Adaptive/assistive controls, (specify): (05) Fire in vehicle (06) Thermal burns (07) Rescue or emergency efforts (88) Other damage source (specify): (95) Damaged, unknown source (96) Deployed, unknown if damaged (97) Not deployed (98) Unknown (99) Unknown	49. Head Restraint Type/Damage by Occupant at This Occupant Position (0) No head restraints (1) Integral—no damage (2) Integral—damaged during accident (3) Adjustable—no damage (4) Adjustable—damaged during accident (5) Add-on—no damage (6) Add-on—damaged during accident (8) Other (specify):  (9) Unknown  50. Seat Type (this Occupant Position) (00) Occupant not seated or no seat (01) Bucket (02) Bucket with folding back (03) Bench (04) Bench with separate back cushions (05) Bench with folding back(s) (06) Split bench with separate back cushions
	Was The Air Bag Tethered? (0) Not equipped/not available (1) No (2) Yes (specify number of tether straps):  (3) Deployed, unknown if tethered (7) Not deployed (8) Unknown if deployed (9) Unknown Did The Air Bag Have Vent Ports?	(07) Split bench with folding back(s) (08) Pedestal (i.e., column supported) (09) Box mounted seat (i.e., van type) (10) Other seat type (specify):  (99) Unknown  51. Seat Orientation (this Occupant Position) (0) Occupant not seated or no seat (1) Forward facing seat (2) Rear facing seat
47.	(0) Not equipped/not available (1) No (2) Yes (specify number of vent ports):  (3) Deployed, unknown if vent ports present (7) Not deployed (8) Unknown if deployed (9) Unknown  Was the Air Bag in this Occupant's Position Contacted by Another Occupant?	(3) Side facing seat (inward) (4) Side facing seat (outward) (8) Other (specify):  (9) Unknown  52. Seat Track Adjusted Position Prior To Impact (0) Occupant not seated or no seat (1) Non-adjustable seat track  Adjustable Seat Track
	(0) Not equipped/not available (1) No (2) Yes (specify):  (3) Deployed, unknown if other occupant contact to air bag (7) Not deployed (8) Unknown if deployed (9) Unknown	(2) Seat at forward most track position (3) Seat between forward most and middle track positions (4) Seat at middle track position (5) Seat between middle and rear most track positions (6) Seat at rear most track position (9) Unknown
48.	Was This Occupant Wearing Eye-wear?  (0) Not equipped/not available (1) No (2) Eyeglasses/sunglasses (3) Contact lenses (4) Deployed, unknown if eyewear worn (7) Not deployed (8) Unknown if deployed (9) Unknown	

	HEAD RESTRAINT AND SEA	AT EVALUATION continued
į	63. Seat Back Incline Prior and Post Impact (00) Occupant not seated or no seat (01) Not adjustable	
	Upright prior to impact (11) Moved to completely rearward position (12) Moved to rearward midrange position (13) Moved to slightly rearward position (14) Retained pre-impact position (15) Moved to slightly forward position (16) Moved to forward midrange position (17) Moved to completely forward position	15 14 13 12
	Slightly reclined prior to impact (21) Moved to completely rearward position (22) Moved to rearward midrange position (23) Retained pre-impact position (24) Moved to upright position (25) Moved to slightly forward position (26) Moved to forward midrange position (27) Moved to completely forward position	25 <sup>24</sup> 23 22 27 27
	Completely reclined prior to impact (31) Retained pre-impact position (32) Moved to rearward midrange position (33) Moved to slightly rearward position (34) Moved to upright position (35) Moved to slightly forward position (36) Moved to forward midrange position (37) Moved to completely forward position	35 <sup>34</sup> 33 32 32
	(99) Unknown	
	54. Seat Performance (this Occupant Position) (0) Occupant not seated or no seat (1) No seat performance failure(s) (2) Seat adjusters failed (3) Seat back folding locks or "seat back" failed (specify): (4) Seat track/anchors failed (5) Deformed by impact of occupant (6) Deformed by passenger compartment intrusion, (specify): (7) Combination of above (specify):  (8) Other (specify): (9) Unknown	

National Accident Sampling System-Crashworthiness Data System: Occupant Assessment Form

	СН	ILD SAF	AFETY SEAT	
55.	Child Safety Seat Make/Model (000) No child safety seat Applicable codes are found in your NASS C Data Collection, Coding and Editing (950) Built-in child safety seat (997) Other make/model (specify):	<u>D</u> <u>O</u>	58. Child Safety Seat Harness Usage  59. Child Safety Seat Shield Usage  60. Child Safety Seat Tether Usage	00 10 70
56.	(998) Unknown make/model (999) Unknown if child safety seat used  Type of Child Safety Seat (0) No child safety seat (1) Infant seat (2) Toddler seat	<u></u>	Note: Options below applicable to Variables OA58-OA60. (00) No child safety seat  Not Designed With Harness/Shield/Tether (01) After market harness/shield/tether added, not used	
	(3) Convertible seat (4) Booster seat - with shield (5) Booster seat - without shield (7) Other type child safety seat (specify):  (8) Unknown child safety seat type (9) Unknown if child safety seat used	0.6	<ul> <li>(O2) After market harness/shield/tether used</li> <li>(O3) Child safety seat used, but no after market harness/shield/tether added</li> <li>(O9) Unknown if harness/shield/tether added or used</li> <li>Designed With Harness/Shield/Tether</li> <li>(11) Harness/shield/tether not used</li> </ul>	
57.	Child Safety Seat Orientation (00) No child safety seat  Designed for Rear Facing for This Age/Weig (01) Rear facing (02) Forward facing (08) Other orientation (specify):  (09) Unknown orientation  Designed For Forward Facing for This Age/ (11) Rear facing (12) Forward facing (18) Other orientation (specify):  (19) Unknown orientation  Unknown Design or Orientation For This Age/Weight, or Unknown Age/Weight (21) Rear facing (22) Forward facing (28) Other orientation (specify):  (29) Unknown orientation  (99) Unknown if child safety seat used		(12) Harness/shield/tether used (19) Unknown if harness/shield/tether used  Unknown If Designed With Harness/Shield/Tet (21) Harness/shield/tether not used (22) Harness/shield/tether used (29) Unknown if harness/shield/tether used (99) Unknown if child safety seat used	ther:

*	INJURY CONSEQUENCES		
	Injury Severity (Police Rating)  (O) O - No injury (1) C - Possible injury (2) B - Nonincapacitating injury (3) A - Incapacitating injury (4) K - Killed (5) U - Injury, severity unknown (6) Died prior to accident (9) Unknown  Treatment - Mortality (0) No treatment (1) Fatal (2) Fatal - ruled disease (specify):  Nonfatal (3) Hospitalization (4) Transported and released (5) Treatment at scene - nontransported (6) Treatment later (7) Treatment - other (specify):  Transported to a medical facility-unknow treated (9) Unknown	3 'n if	63. Type Of Medical Facility (for Initial Treatment)  (0) Not treated at a medical facility (1) Trauma center (2) Hospital (3) Medical clinic (4) Physician's office (5) Treatment later at medical facility (8) Other (specify):  (9) Unknown  64. Hospital Stay (00) Not Hospitalized  Code the number of days (up through 60) that the occupant stayed in hospital. (61) 61 days or more (99) Unknown  65. Working Days Lost  Code the number of days (up through 60) that the occupant lost from work due to the accident (00) No working days lost (61) 61 days or more (62) Fatally injured (97) Not working prior to accident (99) Unknown
	STO	OP WO	ORK HERE

**VARIABLES 66-74** 

TO BE CODED BY THE ZONE CENTER

## TO BE CODED BY THE ZONE CENTER

TRAUMA DATA
71. Glasgow Coma Scale (GCS) Score (at Medical Facility) (00) Not injured (01) Injured - not treated at medical facility (02) No GCS Score at medical facility (03-15) Code the actual value of the initial GCS Score recorded at medical facility. (97) Injured, details unknown (99) Unknown if injured
72. Was the Occupant Given Blood?  (1) No - blood not given  (2) Yes - blood given  (specify units):  (9) Unknown if blood given  73. Arterial Blood Gases (ABG) – HCO <sub>3</sub> (00) Not injured  (01) Injured, ABGs not measured or reported  (02-50) Code the actual value of the HCO <sub>3</sub> (96) ABGs reported, HCO <sub>3</sub> unknown  (97) Injured, details unknown  (99) Unknown if injured
BELT USE DETERMINATION
74. Primary Source of Belt Use Determination (0) Not equipped/not available/destroyed or rendered inoperative (1) Vehicle inspection (2) Official injury data (3) Driver/occupant interview (8) Other (specify):

Administration

**OCCUPANT INJURY FORM** 

Form Approved O.M.B. No. 2127-0021

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number

09

3. Vehicle Number

01

2. Case Number - Stratum

1285

4. Occupant Number

### **INJURY DATA**

Record below the actual injuries sustained by this occupant that were identified from the official and unofficial data sources. Remember not to double count an injury just because it was identified from two different sources. If greater than ten injuries have been documented, encode the balance on the Occupant Injury Supplement.

į		_			A.I.S	90				Injury		Occupant
		Source of Injury Data	Body Region	Type of Anatomic Structure	Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect	Injury Source	Source Confidence Level	Direct/ Indirect Injury	Area Intrusion Number
	lat 1st	5 <u>3</u>	6	7. 9	a. <u>06</u>	9. <u>02</u>	10/	11.6 12.4	602	132 1	4. <u>3</u>	15. 6-0
	and 2nd	16.3	17. 1	18. 9 19	. <u>02</u>	20. <u>0</u> 2	21/	22. <del>0</del> 23.	602	24. 2 2	25. <u>3</u>	26. 60
	Cont 3rd	27. <u>3</u> 2	28. 7	29. 9 30	0.04	31. <u>02</u>	32. /	33. <u>2</u> 34. <sub>.</sub>	152	35. 2 3	96. <u>/</u> :	37. <u>00</u>
	Ath	38. <u>3</u> :	39. <u>7</u> 4	10. <u>9</u> 41	.02	42. <u>02</u>	43. <u>/</u>	44. 2 45.	152	46.2 4	17. <u>/</u> 4	18. 60
	5th	49. <u>3</u>	50. <u>H</u> 5	51. <u> </u> 9	04	53. <u>02</u>	54	55. <u> </u> 56. <sub>2</sub>	152	57. <u>/</u> 5	8. /	<sub>59.</sub> <u>00</u>
	Con Sth	60. <u>3</u>	31. 5	32. <u>9</u> 63	04	64. <u>02</u>	65. 👤	66. 7 67.	152	68/ 6	ss. <u>/</u>	70. <u>0</u> 0
	Cont 7th	71. 3	12. ] 7	73. 9 74	.04	75. <u>0</u>	76. <u>/</u>	77. / 78.	101	79. <u>3</u> 8	ю. <u>/</u> в	31. <u>0</u> /
	8th	82.3	3. <u>8</u> 8	14. <u>9</u> 85	04	86. <u>02</u>	87	88. / 89.	252	90. 2 9	1. <u>/</u> s	92. <u>0</u> 0
	9th	93. <u>3</u> 9	)4. <u>7</u> 9	95. <u>9</u> 96	04	97. <u>0</u> <del>2</del>	98. <u>/</u>	99. / 100.	0//_	101.3 10	210	оз. <u>07</u>
	10th 1	04. <u>3</u> 10	os. <u>J</u> 10	96. <b>9</b> 107	. <u>04</u> 1	08. <u>0</u> 2	109. / 1	110. <u>2</u> 111.	010	112.2 11	3. <u>/</u> 11	4. 60
1												

				occi	JPANT I	NJURY	DATA				
	Source of Injury Data	Body Region	Type of Anatomic Structure	A.I.S 90 Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect	Injury Source	Injury Source Confidence Level	Direct/ Indirect Injury	Occupant Area Intrusion Number
11th									***************************************		
12th								APPLIES SECTION	***************************************	angent de la constant	and the second
13th										<del></del>	
14th								AND SOURCE SERVICES			
15th											
16th											
17th											
18th											
19th										••••	
20th											
21st					******				-		***************************************
22nd							······				
23rd									***************************************		
24th					<u></u>		*******				
25th								<del></del>			

#### OCCUPANT INJURY CLASSIFICATION **Body Region Specific Anatomic** Level of Injury Aspect Structure Specific injuries are (1)Right Head Left assigned consecutive (2)(2)Face (3) two-digit numbers (3)**Bilateral** Neck Vessels, Nerves, Organs. (4)**Thorax** Bones, Joints are assigned beginning with 02. (4)Central (5) (5)Abdomen consecutive two digit Anterior (6)numbers beginning with (6)**Posterior** To the extent possible, Spine (7)**Upper Extremity** 02. within the organizational (7)Superior (8)**Lower Extremity** framework of the AIS, 00 (8) Inferior (9)(9)Unspecified The exceptions to this rule is assigned to an injury Unknown NFS as to severity or (0)Whole region apply to: where only one injury is Type of Anatomic Whole Area given in the dictionary for Structure (02) Skin - Abrasion that anatomic structure. (04) Skin - Contusion 99 is assigned to any Whole Area (06) Skin - Laceration injury NFS as to lesion or (2)Vessels (08) Skin - Avulsion severity. (3)(10) Amputation Nerves (4)Organs (includes (20) Burn **Abbreviated Injury Scale** Muscles/ligaments) (30) Crush (5) Skeletal (includes (40) Degloving (1)Minor Injury joints) (50)Injury - NFS (2) Moderate Injury (6)Head - LOC Trauma, other than (3)(90)Serious Injury (9) Skin mechanical (4) Severe Injury Critical Injury (5) Head - LOC Maximum (6)(02) Length of LOC (untreatable) (7)Injured, unknown

(04) Level

(08) Consciousness

(10) Concussion

Cervical (04) Thoracic (06) Lumbar

(06) of

<u>Spine</u> (02)

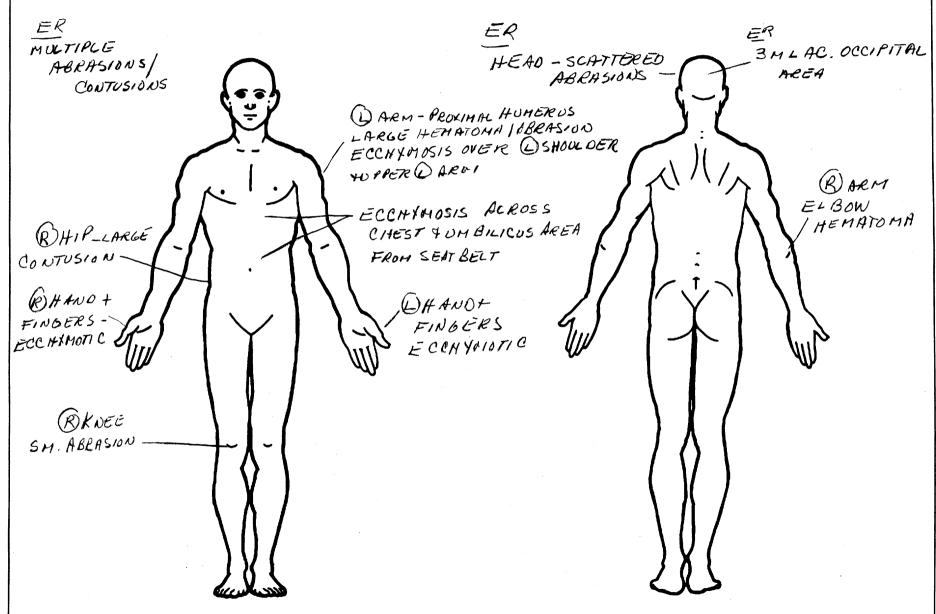
SOURCE OF INJURY DATA	INJURY SOURCE	DIRECT/INDIRECT INJURY
	CONFIDENCE LEVEL	
OFFICIAL RECORDS  (1) Autopsy records with or without hospital/medical records  (2) Hospital/medical records other than emergency room (e.g., discharge summary)  (3) Emergency room records only (including associated X-rays or other lab reports)  (4) Private physician, walk-in or emergency clinic	<ul><li>(1) Certain</li><li>(2) Probable</li><li>(3) Possible</li><li>(9) Unknown</li></ul>	(1) Direct contact injury (2) Indirect contact injury (3) Noncontact injury (7) Injured, unknown source
UNOFFICIAL RECORDS (5) Lay coroner report (6) E.M.S. personnel (7) Interviewee (8) Other source (specify):		

severity

			INJURY	SOUF	RCES		
FRONT	Г	(102)	Right side hardware or	(183)	Air bag-passenger side and	(411)	Wall mounted head rest
(001)	Windshield		armrest	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	object held	. (411)	(used behind wheel chair)
(002)	Mirror	(103)	Right A (A1/A2)-pillar	(184)	Air bag-passenger side and	(412)	Other adaptive device
003)	Sunvisor	(104)	= -	(104)	object in mouth	(412)	•
	Steering wheel rim		Other right pillar (specify):	/195\			(specify):
	Steering wheel hub/spoke	(100)	Strict right pinar (specify).	(100)	Air bag compartment		
	Steering wheel (combination	(106)	Pight side window slees	/1061	cover-passenger side	5\/T5	DIOD ( 000) DAVIDA
000,	of codes 004 and 005)		Right side window glass	(180)	Air bag compartment		RIOR of OCCUPANT'S
0071	•		Right side window frame		cover-passenger side and	VEHI	
0077	Steering column,		Right side window sill		eyewear	(451)	Hood
	transmission selector lever,	(109)	Right side window glass	(187)	Air bag compartment	(452)	Outside hardware (e.g.,
	other attachment		including one or more of the		cover-passenger side and		outside mirror, antenna)
008)	Cellular telephone or CB		following: frame, window		jewelry	(453)	Other exterior surface or
	radio		sill, A (A1/A2)-pillar, B-pillar,	(188)	Air bag compartment		tires (specify):
009)	Add on equipment (e.g.,		or roof side rail.		cover-passenger side and		
	tape deck, air conditioner)	(110)	Other right side object		object held		
010)	Left instrument panel and		(specify):	(189)	Air bag compartment	(454)	Unknown exterior objects
	below				cover-passenger side and		
011)	Center instrument panel and				object in mouth	FXTE	RIOR OF OTHER MOTOR
	below	INTER	IOR	(190)	Other air bag (specify)	VEHIC	
012)	Right instrument panel and		Seat, back support	(100)	Other an bag (specify)		
	below		Belt restraint	/10E\	Other six has assessed		Front bumper
013)	Glove compartment door	(132)		(195)	Other air bag compartment		Hood edge
	Knee bolster	/450	webbing/buckle		cover (specify)	(503)	Other front of vehicle
		(153)	Belt restraint B-pillar or door				(specify):
015)	Windshield including one or		frame attachment point				
	more of the following: front	(154)	Other restraint system	ROOF		(504)	Hood
	header, A (A1/A2)-pillar,		component (specify):	(201)	Front header	(505)	Hood ornament
	instrument panel, mirror, or			(202)	Rear header	(506)	Windshield, roof rail, A-pilla
	steering assembly (driver	(155)	Head restraint system	(203)	Roof left side rail	(507)	Side surface
	side only)	(160)	Other occupants (specify):	(204)	Roof right side rail	(508)	
016)	Windshield including one or				Roof or convertible top	(509)	
	more of the following: front	(161)	Interior loose objects	(200,	noor or convertible top	(303)	•
	header, A (A1/A2)-pillar,		Child safety seat (specify):	El OO	B		(specify):
	instrument panel, or mirror	(102)	Cilid Safety Seat (Specify):	FLOO			
		(4.00)	0.1		Floor (including toe pan)	(510)	Rear surface
	(passenger side only)	(163)	Other interior object	(252)	Floor or console mounted	(511)	Undercarriage
(017)	Windshield reinforced by		(specify):		transmission lever, including	(512)	Tires and wheels
	exterior object (specify)				console	(513)	Other exterior of other
				(253)	Parking brake handle		motor vehicle (specify):
(019)	Other front object (specify):	AIR B	AG	(254)	Foot controls including		
		(170)	Air bag-driver side		parking brake		
		(171)	Air bag-driver side and		· -	(514)	Unknown exterior of other
EFT S	SIDE		eyewear	REAR		,,	motor vehicle
051)	Left side interior surface,	(172)	Air bag-driver side and		Backlight (rear window)		motor vernicie
	excluding hardware or	•	jewelry		Backlight storage rack,	OTHE	P VEHICLE OR OR JECT IN
	armrests	(173)	Air bag-driver side and	(302)			R VEHICLE OR OBJECT IN
052)	Left side hardware or	(173)	=	(000)	door, etc.		NVIRONMENT
	armrest	(174)	object held	(303)	Other rear object (specify):	(551)	Ground
0E 21		(174)	Air bag-driver side and			(598)	Other vehicle or object
	Left A (A1/A2)-pillar		object in mouth				(specify):
	Left B-pillar	(175)	Air bag compartment	ADAP	TIVE (ASSISTIVE) DRIVING		
055)	Other left pillar (specify):		cover-driver side	EQUIP	MENT	(599)	Unknown vehicle or object
		(176)	Air bag compartment	(401)	Hand controls for		•
056)	Left side window glass		cover-driver side and		braking/acceleration	NONC	ONTACT INJURY
057)	Left side window frame		eyewear	(402)	Steering control devices		Fire in vehicle
058)	Left side window sill	(177)	Air bag compartment		(attached to OEM steering		Flying glass
059)	Left side window glass		cover-driver side and jewelry		wheel)		
	including one or more of the	(178)	Air bag compartment	(403)	Steering knob attached to	(603)	Other noncontact injury
	following: frame, window	(	cover-driver side and object	1403/			source
	sill, A (A1/A2)-pillar, B-pillar,		·	44051	steering wheel		(specify):
	or roof side rail.	/170	held Air has a series and a series and	(405)	Replacement steering wheel	(604)	Air bag exhaust gases
nen		(179)	Air bag compartment		(i.e., reduced diameter)	(697)	Injured, unknown source
060)			cover-driver side and object		Joy stick steering controls		
	(specify):		in mouth		Wheelchair tie-downs		
		(180)	Air bag-passenger side	(408)	Modification to seat belts,		
		(181)	Air bag-passenger side and		(specify):		
	SIDE		eyewear	(409)	Additional or relocated		
1011	Right side interior surface,	(182)	Air bag-passenger side and		switches, (specify):		
,			· · · · · · · · · · · · · · · · · · ·		, ,opoony/.		
,	excluding hardware or		jewelry				

### OFFICIAL INJURY DATA - SOFT TISSUE INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



### OFFICIAL INJURY DATA — SKELETAL INJURIES

### Restrained?

\_\_\_ No

√ Yes

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)

Blood Alcohol Level (mg/dl)

BAL = NR

Glasgow Coma Scale Score

$$gcss = 15$$

Aldx3

Units of Blood Given

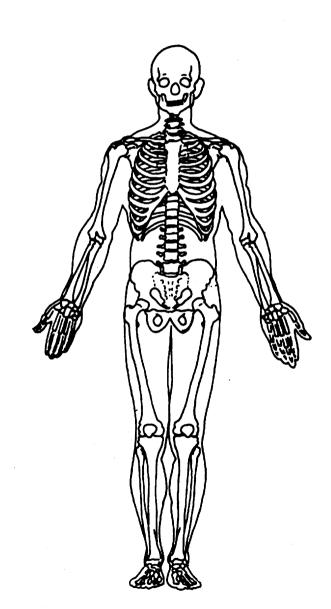
Units = 🗡

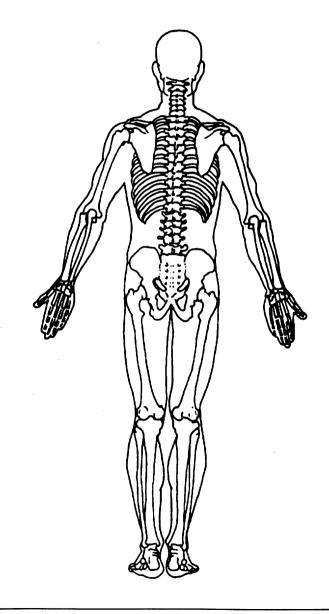
Arterial Blood Gases

PCO<sub>2</sub>

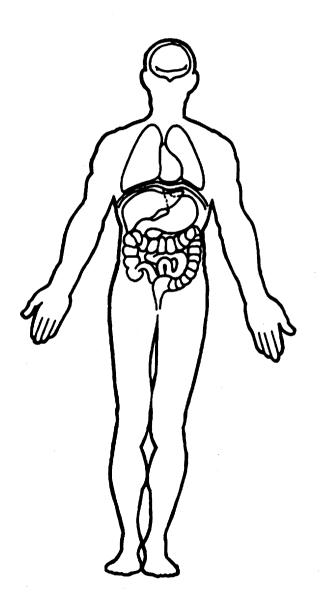
HCO<sub>3</sub>

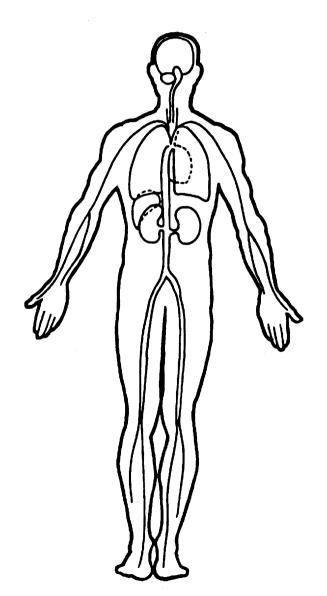
Mery





Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)





(9) Unknown

(5) Dirt

(8) Other (specify): (9) Unknown

Nati	onal Accident Sampling System-Crashworthiness Da	ta Sy	stem: G	eneral Vehicle Form √ूˆ Page
	OCCUPANT RELATED	44.	Vehicle	Cargo Weight 0,000
37.	Driver Presence in Vehicle			Code weight to nearest
	(0) Driver not present		(000)	10 kilograms. Less than 5 kilograms
1	(1) Driver present		(450)	
1	(9) Unknown	l	(999)	Unknown
100	Number of Occupant This Making	1		lbs X .4536 =, kgs
38.	Number of Occupants This Vehicle	1	Source	: Inspection + Interview
	(00-96) Code actual number of occupants for this vehicle		3001CE	E. Jungalion 1 English
	(97) 97 or more			ROLLOVER DATA
İ	(99) Unknown	AE	Dallaria	$\sim$ $\sim$ $\sim$ $\sim$ $\sim$ $\sim$ $\sim$ $\sim$ $\sim$ $\sim$
	(1)	45.	Rollove	o rollover (no overturning)
39.	Number of Occupant Forms Submitted	1		<del>-</del>
	AIR BAG RELATED	10	<i>Hollove</i>	er (primarily about the longitudinal axis)
		,,,	)1-16) (17)	Code the number of quarter turns Rollover, 17 or more quarter turns
40.	Is this an AOPS Vehicle?		( ,	(specify):
	(0) No (includes unknown)		(98)	Rolloverend-over-end (i.e., primarily
l	<ul><li>(1) Yes - researcher determined</li><li>(2) VIN determined air bag system</li></ul>		(00)	about the lateral axis)
	(3) VIN determined automatic (passive) belts	1	(99)	Rollover (overturn), details unknown
	(4) VIN determined air bag and automatic	46	Rollove	r Initiation Type $UU$
	(passive) belts	''	(00) No	rollover
111	Air Rag(s) Danloyment First Cost France		(01) Tr	ip-over
41.	Air Bag(s) Deployment, First Seat Frontal (0) Not equipped or not available	1	(02) Fli	p-over
	(1) No air bags deployed	1	(03) Tu	irn-over
	Single Air Bag Vehicle	1	(04) CII	mb-over
	(2) Driver air bag deployed		(06) Bo	unce-over
	(3) Driver air bag, unknown if deployed		(07) Co	ollision with another vehicle
	Multiple Air Bag Vehicle	İ	(08) Ot	her rollover initiation type specify):
	(4) Driver side only deployed		(98) Bo	lloverend-over-end
	(5) Passenger side only deployed	1	(99) Un	known rollover initiation type
	(6) Driver and passenger side deployed (7) Driver and passenger side unknown if	1		
	deployed	47.		n of Rollover Initiation
	(8) Air bag(s) deployed, details unknown	1		rollover
	(9) Unknown		(1) On (2) On	ı roadway ı shoulder—paved
12	Air Bag(s) Deployment, Other Than First		(3) On	shoulder—unpaved
72.	Seat Frontal		(4) On	roadside or divided trafficway median
	(0) Not equipped with an "other" air had	]	(8) Ro	lloverend-over-end
	(1) Deployed during accident (as a result of		(9) Un	known
	impact)	48.	Rollove	Initiation Object Contacted
	<ul><li>(2) Deployed inadvertently just prior to accident</li><li>(3) Deployed, details unknown</li></ul>	ļ	(Note: A	pplicable codes on back of page)
	(4) Deployed as a result of a noncollision event	140	1 4:	W 1: 1 MM
	during accident sequence (e.g., fire,	49.	Tripping	n on Vehicle Where Initial Principal
	explosion, electrical)	l		rollover
	<ul><li>(5) Unknown if deployed</li><li>(7) Nondeployed</li></ul>		(1) Wr	neels/tires
	(9) Unknown			le plane
	(-)		(3) End	d plane
	Specify type of "other" air bag present:		(4) Un (5) Otl	dercarriage her location on vehicle (specify):
			(0) 011	nor location on vehicle (specify):
		ĺ	(6) No	n-contact rollover forces (specify):
	VEHICLE WEIGHT ITEMS			lloverend-over-end known
				(1)
43.	Vehicle Curb Weight $/$ , $83$ o			n of Initial Roll
٠٠.	Code weight to nearest	i	(O) No	rollover
	10 kilograms.		(1) Rol	ll right - primarily about the longitudinal
	(045) Less than 450 kilograms		axi: (2) Rol	s Il left - primarily about the longitudinal
	(610) 6,100 kilograms or more (999) Unknown		axi	S
	$\frac{(999) \text{ Onknown}}{(999) \text{ Onknown}} = \frac{1}{1000} \cdot $		(8) Rol	loverend-over-end
	kgs	'	(9) Uni	known roll direction
	Source:			

## **CODES FOR ROLLOVER INITIATION OBJECT CONTACTED**

(OO) No rellever	(F7) Farance
(00) No rollover	(57) Fence
(01-30) — Vehicle Number	(58) Wall
	(59) Building
Noncollision	(60) Ditch or culvert
(31) Turn-over — fall-over	(61) Ground
(32) No rollover impact initiation (end-over-end)	(62) Fire hydrant
(34) Jackknife	(63) Curb
	(64) Bridge
Collision With Fixed Object	(68) Other fixed object (specify):
(41) Tree (≤ 10 cm in diameter)	(se, emer mee espect (speen)).
(42) Tree (> 10 cm in diameter)	(69) Unknown fixed object
(43) Shrubbery or bush	(00) 01111111111111111111111111111111111
(44) Embankment	Collision with Nonfixed Object
	(70) Passenger car, light truck, van, or other
(45) Breakaway pole or post (any diameter)	vehicle not in-transport
(40) Broakaway polo or post (arry diamotor)	(71) Medium/heavy truck or bus not in-transpor
Nonbreakaway Pole or Post	(76) Animal
(50) Pole or post (≤ 10 cm in diameter)	(77) Train
(50) Pole or post (\$10 cm in diameter)	
(51) Pole or post (> 10 cm but ≤ 30 cm in	(78) Trailer, disconnected in transport
diameter)	(79) Object fell from vehicle in-transport
(52) Pole or post (> 30 cm in diameter)	(88) Other nonfixed object (specify):
(53) Pole or post (diameter unknown)	(OO) TI
/EALO	(89) Unknown nonfixed object
(54) Concrete traffic barrier	
(55) Impact attenuator	(98) Other event (specify):
(56) Other traffic barrier (includes guardrail)	
(specify):	(99) Unknown event or object



U.S. Department of Transportation

National Highway Traffic Safety Administration

### **EXTERIOR VEHICLE FORM**

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

1	Primary	Sampling	Unit	Number
١.	rillialy	Januping	Ollic	Manne

09

3. Vehicle Number

02

2. Case Number - Stratum

1285

### **VEHICLE IDENTIFICATION**

VIN JT4VD20A4B0

Model Year

94

Vehicle Make (specify):

Toyota

Vehicle Model (specify): \_

T100 h

### **LOCATOR**

Locate the end of the damage with respect to the vehicle longitudinal center line or bumper corner for end impacts or an undamaged axle for side impacts.

Specific Impact No.	Location of Direct Damage	Location of Field L	Location of Max Crush
01	Entire Front Bunger	Entira Front bumper	<i>C</i> 6
02	Starts 106 cm Forward of UR	Starts 33cm Forward of LAR	16 cm Forward
	axle, extends Forward	axle, extends forward	04 02

### **CRUSH PROFILE IN CENTIMETERS**

NOTES: Identify the plane at which the C-measurements are taken (e.g., at bumper, above bumper, at sill, above sill, etc.) and label adjustments (e.g., free space).

Measure C1 to C6 from driver to passenger side in front or rear impacts and rear to front in side impacts.

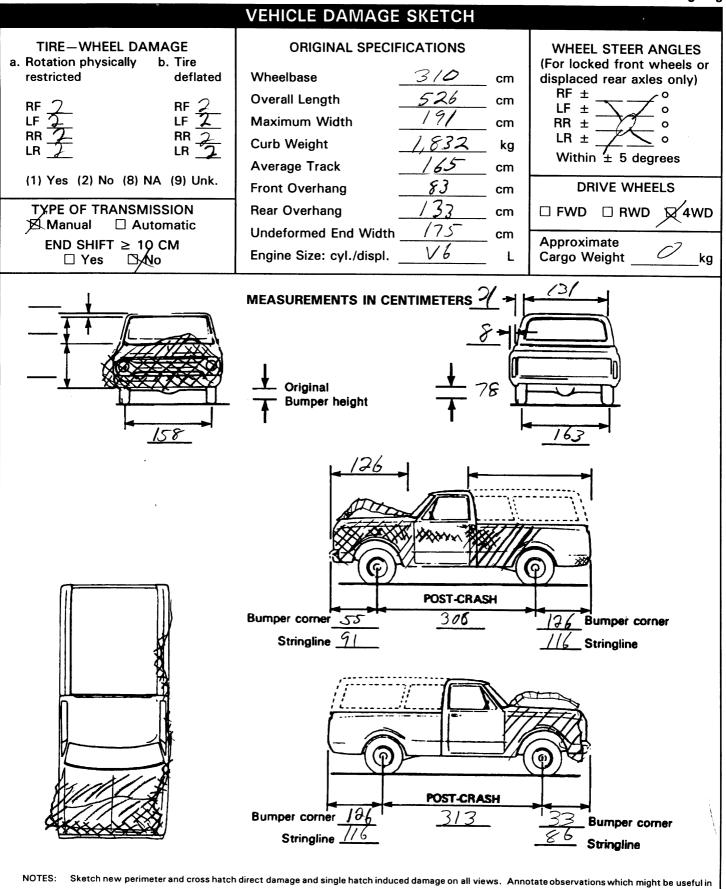
Free space value is defined as the distance between the baseline and the original body contour taken at the individual C locations. This may include the following: bumper lead, bumper taper, side protrusion, side taper, etc. Record the value for each C-measurement and maximum crush.

Use as many lines/columns as necessary to describe each damage profile.

Specific		Direct [	Damage	<u> </u>							
Impact Number	Plane of Impact C-Measurements	Width (CDC)	Max Crush	Field L	C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>	C₄	C <sub>5</sub>	C <sub>6</sub>	±D
01	Bumper Freespace Final	173	<i>C</i> 6	169	35	35	37	36	39	51	0
	Frespace		10		10	2	0	0	2	10	
01	Final	/73	<i>C</i> 6	169	25	33	37	36	37	41	0
02	Mid - Door	910	16	300	1	12	6	6	12	13	-57
	Franspace		4		0	4	4	4	2	2	
02	Final	210	12	500	1	8	2	2	10	9	-57
				ļ	<b></b>						
				ļ							
		ļ					1	l	]	ł	1

# ORIGINAL SPECIFICATIONS WORK SHEET

	in metric in	,			
Wheelbase	in metric in	ches x	2.54	=	3/0 cm
Overall Length	in	ches x	2.54	=	<u>526</u> cm
Maximum Width	in	ches x	2.54	=	19/cm
Curb Weight	, po	ounds x	.4536	=	1.832 kg
Average Track	in	ches x	2.54	=	<u> 165</u> cm
Front Overhang	in-	ches x	2.54	=	<u>83</u> cm
Rear Overhang	in-	ches x	2.54	=	<u> </u>
Undeformed End Width	in	ches x	2.54	=	cm
Engine Size: cyl./displ.	co	×	.001	=	<u>V.6</u> L
	, cı	D x	.0164	=	L



reconstructing the accident (e.g., grass in tire bead, direction of striations, scuff on sidewalls, etc.). If pulling trailer, sketch type of trailer and damage

Annotate any damage caused by extrication such as component removal by torching, prying, or hydraulic shears.

received on the back of this page.

		ng System-Crasi		VORKSHE		Ciliole 1 Oili		rage
		С	ODES FOR (	DBJECT CON	TACTED			
(01-30)	– Vehicle Nu	mber		•	) Fence			
Noncollis	ion				l) Wall l) Building			
		ollover (excludes	end-over-en		)) Ditch or	culvert		
	Rollover—end	•		•	) Ground			
	Fire or explos	ion			) Fire hyd	rant		
	Jackknife			•	) Curb			
(35) (	Other intrauni	t damage (speci	y):	·	Bridge  Other five	xed object (	anaciful.	
(36) أ	Noncollision in	niurv	<del></del>	(00	o, Other in	ked Object (	specity).	
		ision (specify):		(69	) Unknow	n fixed obje	ect	
(39) Ī	Noncollision -	– details unknov	/n	Collisi	ion with No	onfixed Obje	ect	
					) Passeng	er car, light	truck, van,	or other
	With Fixed O			174		not in-transp		
	•	m in diameter) m in diameter)			) Medium !) Pedestri		k or bus not	in-transport
	Shrubbery or				) Cyclist (			
	mbankment						or conveyan	се
(45) E	Breakaway po	ole or post (any o	liameter)	(75	) Vehicle	occupant		
		_			) Animal			
	caway Pole o			•	') Train	d:	d :- +	
		$\leq$ 10 cm in dian > 10 cm but $\leq$					d in transpo iicle in-trans	
(	diameter)						ct (specify):	
		> 30 cm in dian diameter unknov		(89	) Unknow	n nonfixed	object	
	·		,,,,					
	Concrete traff mpact attenu			(98	B) Other ev	ent (specify	<b>/</b> ):	
	Other traffic t specify):	parrier (includes (	guardrail)	(99	) Unknow	n event or o	object	
· · · · · · · · · · · · · · · · · · ·	Specify/							
		DEFORMA	TION CLASS	IFICATION B				
Accident		(1) (2)			(4) Specific	(5) Specific	(6)	
Event		Direction	Incremental		Longitudinal	Vertical or	Type of	(7)
Sequence Number	Object Contacted	of Force (degrees)	Value of Shift	Deformation Location	or Lateral Location	Lateral Location	Damage Distribution	Deformation Extent
	17	(degrees)	7 62	- I		- Location	- \	
$\mathcal{L}\mathcal{L}$	0 1	320	00		<u>D</u>	E		02
02	01	290	00	<u></u>	ŇΥ	F	W	02
		100		<u></u>	السلاخ	12		
						·····		
							***************************************	
						The state of the s	·	
·	<del></del>						*****	

		COLLISION	DEFORMA	TION CLAS	SIFICATIO	N	•
HIGHEST	DELTA "V"						
Accident Event Sequence Number	Object Contacted	(1) (2) Direction of Force	(3) Deformation Location	(4) Longitudinal or Lateral Location	(5) Vertical or Lateral Location	(6) Type of Damage Distribution	(7) Deformation Extent
4	5. <u>0</u> <u>(</u>	6	7	8	9. E	Ist R	eview, 10
Second Hi	ghest Delta "V	" 09				ZBO 1	Barram:
12.02	13. 0 1	14. <u>+ D</u>	15. <u></u>	16. <u>Ø</u> Ý	17. <u>E</u>	18	19. 0 2
		CRUS	H PROFILE	IN CENTIM	ETERS		
				in the CDC(s) IEASUREMENT			bd
HIGHEST (	DELTA "V"						
20. 	21. 			C	C <sub>5</sub>	C <sub>6</sub>	22. 
175	025	<u>033</u>	037	036 0	737 0	241 =	000
Second Hig	ghest Delta "V	n					
23. 	24. 				C <sub>5</sub>	C <sub>6</sub>	25. 
300	001	008	002	002 0	10 0	709	057
(Coded impact (250) (998)	rmed End Widtl when highest s is an end plane Code to the ne 250 centimeter No highest seve Unknown	severity impact.) arest centimeters or more	impact	* ; (	I Wheelbase Code to the ne centimeter 650 centimete Unknown inches X	ers or more	centimeters
(For hig (250)	Damage Width hest severity in Code to the nea 250 centimeter Unknown	arest centimete	173	(185)	I Average Trac Code to the ne centimter 185 centimete Unknown inches X	earest	

				FUEL SYSTEM
30. Are CDCs Documento but Not Coded on Th Automated File? (0) No	·	1	Loca (0)	ation of Fuel Tank-1 Filler Cap  Intion of Fuel Tank-2 Filler Cap  No fuel tank
(1) Yes  31. Researcher's Assessment Disposition (0) Not towed due to (1) Towed due to vel (9) Unknown	vehicle damage	<u>/</u>	<ul><li>(1)</li><li>(2)</li><li>(3)</li><li>(4)</li><li>(5)</li><li>(6)</li></ul>	On back plane Aft of center of the rear wheels (rear axle) on left side plane Aft of center of the rear wheels (rear axle) on right side plane Forward of center of the rear wheels (rear axle) on left side plane Forward of center of the rear wheels (rear axle) on right side plane Over the center of the rear wheels (rear
(Include photogra	tered Vehicle? turer modifications acturer modifications  ph of CERTIFICATION report)		Type (0) (1)	axle) on left side plane Over the center of the rear wheels (rear axle) on right side plane Other (specify): Unknown  of Fuel Tank-1  of Fuel Tank-2  No fuel tank (electrical vehicle) Metallic
(9) Unknown if vehic	le is modified		(2) (9)	Non-metallic Unknown
FIRE O	CCURRENCE			ation of Fuel Tank-1
33. Fire Occurrence (0) No fire  Yes, fire occurred (1) Minor (2) Major (9) Unknown		2 40.	(0) (1) (2) (3) (4)	No fuel tank  Aft of center of the rear wheels (rear axle) centered  Aft of center of the rear wheels (rear axle) left side  Aft of center of the rear wheels (rear axle) right side  Forward of center of the rear wheels (rear axle) right side  Forward of center of the rear wheels (rear axle) centered  Forward of center of the rear wheels (rear
34. Origin of Fire (0) No fire (1) Vehicle exterior (2) Exhaust system (3) Fuel tank (and or system parts) (4) Engine compartn (5) Cargo/trunk com (6) Instrument panel (7) Passenger comp. (8) Other location (s	nent partment artment area	1	(6) (7) (8) (9)	Forward of center of the rear wheels (rear axle) left side Forward of center of the rear wheels (rear axle) right side Over center of the rear wheels (rear axle) Other (specify): Unknown  lage to Fuel Tank-1  lage to Fuel Tank-2  No fuel tank No damage to fuel tank Deformed, no seam failure Deformed, with a seam failure Punctured Lacerated (ripped) Abraded (scraped) Filler neck separation from the fuel tank Other damage (specify): Unknown

43.	Leakage Location of Fuel System-1	47. Is This Vehicle Equipped With More Than Two Fuel Tanks?	) -
44.	Leakage Location of Fuel System-2	(0) No (one or two tanks only)	
	(0) No fuel tank	Yes - More Than Two Tanks	
i	(1) No fuel leakage	(1) Yes no damage to any tank or filler	
	Drimon, Arao Of Lookago	cap and no fuel system leakage	
	Primary Area Of Leakage (2) Tank	(2) Yes no damage to any tank or filler	
		cap but there is fuel system leakage	
1	(3) Filler neck (4) Cap	(specify leakage location):	
	(5) Lines/pump/filter	(Specify leakage location).	
	(6) Vent/emission recovery	(3) Yes damage to an additional tank or	
l	(8) Other (specify):	filler cap and there is fuel system leakage	
1	(9) Unknown	(specify the following):	
	(o) Onknown	Type of tank	
l		Tank location	
45.	Fuel Type-1	Filler cap location	
	-1	Tank damage	
46.	Fuel Type-2	Location of leakage	
		Type of fuel	
	Single Fuel Type	(9) Unknown if more than two tanks	
ŀ	(00) No fuel tank		
	(01) Gasoline		
	(02) Diesel		
ļ	(03) CNG (Compressed Natural Gas)	COMMENTS	
Ì	(04) LPG (Liquid Petroleum Gas) also		
	known as Propane		
	(05) LNG (Liquid Natural Gas)		
	(06) Methanol (M100 or M85)		
	(07) Ethanol (E100 or E85)		
	(08) Other (Hydrogen or others) (specify):		
	Electric Powered or Electric/Solar		
İ	Powered Vehicles		
	(10) Lead Acid Battery		
	(11) Nickel-Iron Battery		
	(12) Nickel-Cadmium Battery		
	(13) Sodium Metal Chloride Battery		
	(14) Sodium Sulfur Battery		
	(18) Other (Specify):		
	(98) Other Hybrid (specify):		
	(99) Unknown fuel type		
	••		
			_

\*\*\* STOP: IF THE CDS APPLICABLE VEHICLE WAS NOT TOWED \*\*\*

(GV10 = 0)

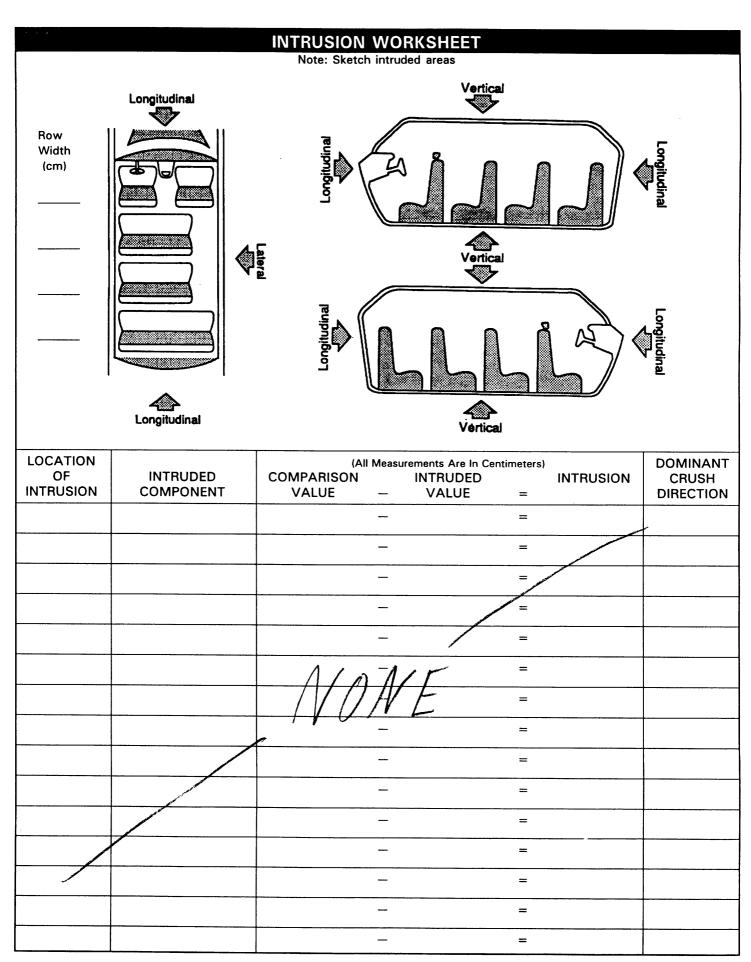
DO NOT COMPLETE THE INTERIOR VEHICLE FORM.

v Traffic Safety

### INTEDIOD VEHICLE FORM

NATIONAL ACCIDENT SAMPLING SYSTEM

dministration	CRASHWORTHINESS DATA SYST
16	GLAZING
1. Primary Sampling Unit Number	Type of Window/Windshield Glazing
2. Case Number - Stratum 128 5	15. WS $$ 16. LF $$ 17. RF $$ 18. LR $$ 19. RR $$
3. Vehicle Number	20. BL 21. Roof 022. Oth
4. Passenger Compartment Integrity (00) No integrity loss  Yes, Integrity Was Lost Through (01) Windshield (02) Door (side) (03) Door/hatch (back door) (04) Roof (05) Roof glass (06) Side window (07) Rear window (backlight) (08) Roof and roof glass (09) Windshield and door (side) (10) Windshield and roof (11) Side and rear window (side window and backlight) (12) Windshield and side window (13) Door and side window (98) Other combination of above (specify):	(0) No glazing (1) AS-1 — Laminated (2) AS-2 — Tempered (3) AS-3 — Tempered-tinted (original) (4) AS-2 — Tempered-with after market tint (5) AS-3 — Tempered-tinted (with additional after market tint) (6) AS-14 — Glass/Plastic (7) Glazing removed prior to accident (8) Other (specify): (9) Unknown  Window Precrash Glazing Status  23. WS / 24. LF / 25. RF / 26. LR / 27. RR / 28. BL / 29. Roof / 30. Other / 28. BL / 29. Roof / 30. Other / 29. Partially opened (1) Fixed (2) Closed (3) Partially opened (4) Fully opened (7) Glazing removed prior to accident
D 77 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(9) Unknown
Door, Tailgate or Hatch Opening	Glazing Damage from Impact Forces
5. LF 6. RF 7. LR 8. RR 9. TG/H	31. WS 2 32. LF 1 33. RF 1 34. LR 0 35. RR 0
(0) No door/gate/hatch (1) Door/gate/hatch remained closed and operational (2) Door/gate/hatch came open during collision (3) Door/gate/hatch jammed shut (8) Other (specify):  Unknown	36. BL 37. Roof 38. Other  (0) No glazing (1) No glazing damage from impact forces (2) Glazing in place and cracked from impact forces (3) Glazing in place and holed from impact forces (4) Glazing out-of-place (cracked or not) and not holed from impact forces (5) Glazing out-of-place and holed from impact forces
Damage/Failure Associated with Door, Tailgate or Hatch Opening in Collision. If IV05-IV09 ≠ 2, Then code Ø	<ul><li>(6) Glazing disintegrated from impact forces</li><li>(7) Glazing removed prior to accident</li><li>(9) Unknown if damaged</li></ul>
10. LF <u>0</u> 11. RF <u>0</u> 12. LR <u>0</u> 13. RR <u>0</u> 14. TG/H	Glazing Damage from Occupant Contact
(0) No door/gate/hatch or door not opened	39. WS <u>↓</u> 40. LF <u>/</u> 41. RF <u>/</u> 42. LR <u></u> € 43. RF
Door, Tailgate or Hatch Came Open During Collision (1) Door operational (no damage) (2) Latch/striker failure due to damage (3) Hinge failure due to damage (4) Door structure failure due to damage (5) Door support (i.e., pillar, sill, roof side rail, etc.) failure due to damage (6) Latch/striker and hinge failure due to damage (8) Other failure (specify):	44. BL 45. Roof 46. Other  (0) No glazing (1) No occupant contact to glazing (2) Glazing contacted by occupant but no glazing damage (3) Glazing in place and cracked by occupant contact (4) Glazing in place and holed by occupant contact (5) Glazing out-of-place (cracked or not) by occupant contact and not holed by occupant contact (6) Glazing out-of-place by occupant contact and holed by occupant contact (7) Glazing removed prior to accident (8) Glazing disintegrated by occupant



### **OCCUPANT AREA INTRUSION** Note: If no intrusions, leave variables IV47-IV86 blank. Dominant Location of Intruding Magnitude Crush Intrusion Component of Intrusion Direction 1st 47.\_\_\_ 48.\_ 49. 50. 2nd 51. 52. 53. 3rd 55. 56. 57. 58. 4th 59. 60. 65. 66. 69. 70. \_\_\_ 7th 72. 73. 74. 8th 76. 77. 78. \_\_\_ 9th 79. 80. 81. 82.\_\_\_

#### LOCATION OF INTRUSION

10th 83.

Third Seat

(31) Left

(32) Middle

(33) Right

Front Seat	Fourth Seat
(11) Left	(41) Left
(12) Middle	(42) Middle
(13) Right	(43) Right
Second Seat	(97) Catastrophic
(21) Left	(98) Other enclosed
(22) Middle	area (specify)
(23) Right	•
_	(99) Unknown

84. 85. 86.

### INTRUDING COMPONENT

### Interior Components

- (01) Steering assembly
- (02) Instrument panel left
- (03) Instrument panel center
- (04) Instrument panel right
- (05) Toe pan
- (06) A (A1/A2)-pillar
- (07) B-pillar
- (08) C-pillar
- (09) D-pillar
- (10) Side panel forward of the A1/A2-pillar
- (11) Door panel (side)
- (12) Side panel rear of the B-pillar
- (13) Roof (or convertible top)
- (14) Roof side rail
- (15) Windshield
- (16) Windshield header
- (17) Window frame
- (18) Floor pan (includes sill)
- (19) Backlight header
- (20) Front seat back
- (21) Second seat back
- (22) Third seat back
- (23) Fourth seat back
- (24) Fifth seat back
- (25) Seat cushion
- (26) Back door/panel (e.g., tailgate)
- (27) Other interior component (specify):

### Exterior Components

- (30) Hood
- (31) Outside surface of this vehicle (specify):
- (32) Other exterior object in the environment (specify):
- (33) Unknown exterior object
- (97) Catastrophic
- (98) Intrusion of unlisted component(s) (specify):
- (99) Unknown

#### MAGNITUDE OF INTRUSION

- (1)  $\geq$  3 centimeters but < 8 centimeters
- (2)  $\geq$  8 centimeters but < 15 centimeters
- (3)  $\geq$  15 centimeters but < 30 centimeters
- (4)  $\geq$  30 centimeters but < 46 centimeters
- (5)  $\geq$  46 centimeters but < 61 centimeters
- (6)  $\geq$  61 centimeters
- (7) Catastrophic
- (9) Unknown

### DOMINANT CRUSH DIRECTION

- (1) Vertical
- (2) Longitudinal
- (3) Lateral
- (7) Catastrophic
- (9) Unknown

STEERING RIM/SPOKE DEFORMATION  (All Measurements Are in Centimeters)				
COMPARISON VALUE		DAMAGE VALUE	=	DEFORMATION
COMI ANIOON VALUE			=	
			=	
			=	
			•	

.

STEERING COLUMN	INSTRUMENT PANEL
87. Steering Column Type	92. Odometer Reading $2.000$
(1) Fixed column	kilometers
(2) Tilt column	Code to the nearest 1,000 kilometers
(3) Telescoping column	(000) No odometer
<ul><li>(4) Tilt and telescoping column</li><li>(8) Other column type (specify):</li></ul>	(001) Less than 1,500 kilometers
(b) Other column type (specify).	(500) 499,500 kilometers or more
(9) Unknown	(999) Unknown
99. Tilt Steering Column Adjustment	Source: Dash Odoneter
88. Tilt Steering Column Adjustment (0) No tilt steering column	
(1) Full up	93. Instrument Panel Damage from
(2) Between full up and center	Occupant Contact?
(3) Center	(1) Yes
(4) Between center and full down	(9) Unknown
(5) Full down (9) Unknown	
(9) Officiowii	94. Type of Knee Bolster Covering
$\wedge$	(0) No knee bolster (1) Padded
89. Telescoping Steering Column Adjustment	(2) Rigid plastic
(O) No telescoping steering column	(8) Other (specify):
(1) Full back	(9) Unknown
(2) Between full back and midpoint	OF Know Belatara Beformed from
(3) Midpoint (4) Between midpoint and full forward	95. Knee Bolsters Deformed from / Occupant Contact?
(5) Full forward	(0) No knee bolster
(9) Unknown	(1) No deformation
	(2) Yes - deformation
90. Steering Rim/Spoke Deformation	(9) Unknown
90. Steering Rim/Spoke Deformation Code actual measured	96. Did Glove Compartment Door Open
deformation to the nearest centimeter	During Collision(s)?
(00) No steering rim deformation	(0) No glove compartment door
(01-14) Actual measured value in centimeters	(1) No - door did not open
(15) 15 centimeters or more (98) Observed deformation cannot be measured	(2) Yes - door opened (9) Unknown
(99) Unknown	(o) onknown
4.3	97. Adaptive (Assistive) Driving Equipment
01 Leasting of Steering Dim/Spake	(0) No adaptive driving equipment
91. Location of Steering Rim/Spoke Deformation	(1) Adaptive driving equipment installed (Check all that apply.)
(00) No steering rim deformation	[] Hand controls for braking/acceleration
•	[ ] Steering control devices (attached to OEM
Quarter Sections	steering wheel
(01) Section A (02) Section B	[ ] Steering knob attached to steering wheel [ ] Low effort power steering (unit or device)
(03) Section C	[ ] Replacement steering wheel (i.e., reduced
(04) Section D	diameter)
Lower	[ ] Joy-stick steering controls
Half Sections	[] Wheelchair tie-downs
(05) Upper half of rim/spoke (06) Lower half of rim/spoke	[] Modification to seat belts (specify):
(O7) Left half of rim/snoke / 9  \	[] Additional or relocated switches (specify):
(O8) Right half of rim/spoke	
(09) Complete steering wheel sellenge	[ ] Raised roof
(09) Complete steering wheel collapse (10) Undetermined location	[ ] Wall-mounted head rest (used behind wheelchair)
(99) Unknown	[ ] Other adaptive device (specify):
	(9) Unknown
	(a) Olikilowii

# VEHICLE INTERIOR SKETCHES Note area of ejection/entrapment

Sketch windshield contact(s) and the damaged area(s) on the instrument panel outline (e.g., radio, glove compartment, damage to instrument panel structure.

Cross hatch contact points, draw spider webs or use other annotation as may be appropriate.

Annotate the contacted area with a letter (begin with A) and list on the Points of Occupant Contact page.

			FOIN	TO OF OCC	JUPA	INT CONTACT		
_	Interior Component	No		Body Region If				Confidenc Level of Contact
Contact	Contacted	Kno	wn	Known		Supporting Physica		Point
Α	014	0	1	r-Knee	5m	all scuff on rig	iff side	3
В								
С								
D								
E				,				
F								
G								
Н								<del></del>
ı								
J								<del> </del>
К								
L				•		•		
М		* *						
N								+
of codes OC 007) Steering column, trar selector lev attachment 008) Cellular tele radio 009) Add on equ deck, air co 100) Left instrum below 111) Center instrum below 112) Right instrui below 113) Glove comp 14) Knee bolste 15) Windshield i more of the header, A (A instrument p steering ass side only) 16) Windshield i more of the header, A (A instrument p (passengers 17) Windshield r	neel hub/spoke neel (combination 24 and 005)  Ismission ner, other  Iphone or CB  Iphone or CB  Iphone or CB  Iphone or CB  Iphone or CB  Iphone or CB  Iphone or CB  Iphone or CB  Iphone or CB  Iphone or CB  Iphone or CB  Iphone or CB  Iphone or CB  Iphone or Iphone or Iphone  Iphone or Iphone  Iphone or Iphone  Iphone or Iphone  Iphone or Iphone  Iphone or Iphone  Iphone or Iphone  Iphone or Iphone  Iphone or Iphone  Iphone	(052) (053) (054) (055) (056) (057) (058) (059) (060) RIGHT (101) (102) (103) (104) (105) (106) (107) (108) (109)	SIDE Left side excluding armrests Left side armrest Left A (A Left B-pil Other lef Left side Left side Left side Left side including following sill, A (A or roof sid armrest Right side armrest Right side armrest Right side armrest Right side armrest Right side armrest Right side armrest Right side armrest Right side side including following fol	interior surface, g hardware or hardware or A1/A2)-pillar (specify): window glass window frame window sill window glass one or more of the properties of the	(151) (152) (153) (154) (155) (160) (161) (162) (163) (175) (180) (195) (195) (195) (203) (204) (205) FLOO (251)	Seat, back support Belt restraint webbing/buckle Belt restraint B-pillar or doo frame attachment point Other restraint system component (specify): Head restraint system Other occupants (specify): Interior loose objects Child safety seat (specify): Other interior object (specify): AG Air bag-driver side Air bag compartment cover-driver side Air bag compartment cover-passenger side Other air bag (specify) Other air bag compartment cover (specify) Front header Rear header Roof left side rail Roof or convertible top	ADAPTIVE (ASSIST EQUIPMENT (401) Hand controls braking/accel (402) Steering cont (attached to (wheel) (403) Steering knot steering whee (405) Replacement (i.e., reduced (406) Joy stick stee (407) Wheelchair ti (408) Modification (specify):  (409) Additional or switches, (sp. (410) Raised roof (411) Wall mounted (used behind (412) Other adaptiv (specify):	ipect (specify):  IVE) DRIVING  is for eration rol devices DEM steering estached to sl steering wheel diameter) ering controls e-downs to seat belts, relocated ecify):  head rest wheel chair)

#### **MANUAL RESTRAINTS**

NOTES: Encode the applicable data for each seat position in the vehicle. The attribute for the variable may be found below Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

If a Child safety seat is present, encode the data on the back of this page.

If the vehicle has automatic restraints available, encode the appropriate data on the back of the previous page. Center Right Left **Availability** F Evidence of usage Used in this crash? R **Proper Use** S 0 **Failure Modes Anchorage Adjustment Availability** Evidence of usage SECOND Used in this crash? **Proper Use Failure Modes Anchorage Adjustment** Availability Evidence of usage 0 T Used in this crash? H **Proper Use** E **Failure Modes** R Anchorage Adjustment

Proper Use of Manual (Active) Belts

seat

Belt Used Improperly

Belt used properly

(1)

(2)

(3)

(7)

(8)

(9)

Unknown

None used or not available

Shoulder belt worn under arm

Belt used properly with child safety

# (1) Belt removed/destroyed (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt (5) Belt available - type unknown Integral Belt Partially Destroyed (6) Shoulder belt (lap belt destroyed/removed) (7) Lap belt (shoulder belt destroyed/removed) (8) Other belt (specify): (9) Unknown Manual (Active) Belt System Use (00) None used, not available, or belt

removed/destroyed

Inoperable (specify):

Lap and shoulder belt

child safety seat

type unknown

Belt used - type unknown

Other belt used (specify):

Shoulder belt used with child safety

Lap belt used with child safety seat

Lap and shoulder belt used with

Belt used with child safety seat -

Other belt used with child safety

Shoulder belt

Lap belt

Manual (Active) Belt System Availability

(0) None available

(01)

(02)

(03)

(04)

(05)

(08)

(12)

(14)

(15)

(18)

#### (4)Shoulder belt worn behind back or Belt worn around more than one (5)Lap belt worn on abdomen (6)Lap belt or lap and shoulder belt used improperly with child safety seat (specify): Other improper use of manual belt (8) system (specify): (9) Unknown Manual (Active) Belt Failure Modes During Accident (0)No manual belt used or not available (1) No manual belt failure(s) (2) Torn webbing (stretched webbing not included) (3) Broken buckle or latchplate (4)Upper anchorage separated (5)Other anchorage separated (specify): (6) **Broken retractor**

Combination of above (specify):

Other manual belt failure (specify):

#### Shoulder Belt Upper Anchorage Adjustment

- (0) No shoulder belt
- (1) No upper anchorage adjustment for shoulder belt

# Adjustable shoulder Belt Upper Anchorage

- (2) In full up position
- (3) In mid position
- (4) In full down position
- (5) Position unknown
- (9) Unknown if position has adjustable upper anchorage adjustment

#### **AUTOMATIC RESTRAINTS**

NOTES: Encode the data for each applicable front seat position. The attribute for the variables may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

AIR BAGS

		Left Front	Right Front	Other
F	Availability/Function	1		
Ŕ	Deployment	1		
S	Failure			

#### Air Bag System Availability/Function

- (0) Not equipped/not available
- (1) Air bag

#### Non-functional

- (2) Air bag disconnected (specify):
- (3) Air bag not reinstalled
- (9) Unknown

#### Are There Indications of Air Bag System Failure? (This Occupant Position)

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify):
- (9) Unknown

#### Frontal Air Bag System Deployment

#### (This Occupant Position)

- (0) Not equipped/not available
- Deployed during accident (as a result of impact)
- (2) Deployed inadvertently just prior to accident
- (3) Deployed, accident sequence undetermined
- (4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical)
- (5) Unknown if deployed
- (7) Nondeployed
- (9) Unknown

# Air Bag(s) Deployment, <u>Other</u> Than First Seat Frontal (This Occupant Position)

- (0) Not equipped with an "other" air bag
- (1) Deployed during accident (as a result of impact)
- (2) Deployed inadvertently just prior to accident
- (3) Deployed, details unknown
- (4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical)
- (5) Unknown if deployed
- (7) Nondeployed
- (9) Unknown

#### **AUTOMATIC BELTS**

		Left	Right
	Availability/Function		
F	Use		
Ŕ	Туре		
S T	Proper Use		
	Failure Modes		

# Automatic (Passive) Belt System Availability/Function

- (0) Not equipped/not available
- (1) 2 point automatic belts
- (2) 3 point automatic belts
- (3) Automatic belts type unknown

#### Non-functional

- (4) Automatic belts destroyed or rendered inoperative
- (9) Unknown

#### Automatic (Passive) Belt System Use

- (0) Not equipped/not available/destroyed or rendered inoperative
- (1) Automatic belt in use
- Automatic belt not in use (manually disconnected, motorized track inoperative)
- (3) Automatic belt use unknown
- (9) Unknown

#### Automatic (Passive) Belt System Type

- (0) Not equipped/not available
- (1) Non-motorized system
- (2) Motorized system
- (9) Unknown

# Proper Use of Automatic (Passive) Belt System

- (0) Not equipped/not available/not used
- (1) Automatic belt used properly
- (2) Automatic belt used properly with child safety seat

#### Automatic Belt Used Improperly

- (3) Automatic shoulder belt worn under arm
- (4) Automatic shoulder belt worn behind back
- (5) Automatic belt worn around more than one person
- (6) Lap portion of automatic belt worn on abdomen
- (7) Automatic lap and shoulder belt or automatic shoulder belt used improperly with child safety seat (specify):
- (8) Other improper use of automatic belt system (specify):
- (9) Unknown

#### Automatic (Passive) Belt Failure Modes During Accident

- (0) Not equipped/not available/not in use
- (1) No automatic belt failure(s)
- (2) Torn webbing (stretched webbing not included)
- (3) Broken buckle or latchplate
- (4) Upper anchorage separated
- 5) Other anchorage separated (specify):
- (6) Broken retractor
- (7) Combination of above (specify):
- (8) Other automatic belt failure (specify):
- (9) Unknown

#### FIRST SEAT FRONTAL AIR BAGS

NOTES: Encode the applicable data *for the driver and first seat passenger* in the vehicle. The attribute for the variable may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

	Driver	Passenger
Type of air bag?		
Flaps open at tear points?	2	
Flaps damaged?	7	
Air bag damaged?	01	
Source of air bag damage	01	
Air bag tethered?	2	
Air bag have vent ports?	2	
Other occupant contact air bag?	1	
Occupant wearing eyewear?	Н	

#### Type of Air Bag

- (0) Not equipped/not available
- (1) Original manufacturer installed system
- (2) Retrofitted air bag
- (3) Replacement air bag
- (8) Unknown type of air bag
- (9) Unknown

# Did Air Bag Module Cover Flap(s) Open At Designated Tear Points?

- (0) Not equipped/not available
- (1) No
- (2) Yes
- (3) Deployed, unknown if flap(s) opened at designated tear points
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

# Were Air Bag Module Cover Flap(s) Damaged?

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify):
- (3) Deployed, unknown if air bag module cover flap(s) damaged
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

#### Was There Damage To The Air Bag?

- (00) Not equipped/not available
- (01) Not damaged

Yes - Air Bag Damage

- (02) Ruptured
- (03) Cut
- (04) Torn
- (05) Holed
- (06) Burned
- (07) Abraded
- (88) Other damage (specify):
- (95) Damaged, details unknown
- (96) Deployed, unknown if damaged
- (97) Not deployed
- (98) Unknown if deployed
- (99) Unknown

#### Source of Air Bag Damage

- (00) Not equipped/not available
- (01) Not damaged
- (02) Object worn by occupant, (specify):
- (03) Object carried by occupant, (specify):
- (04) Adaptive/assistive controls, (specify):
- (05) Fire in vehicle
- (06) Thermal burns
- (07) Rescue or emergency efforts
- (88) Other damage source (specify):
- (95) Damaged, unknown source
- (96) Deployed, unknown if damaged
- (97) Not deployed
- (98) Unknown if deployed
- (99) Unknown

#### Was The Air Bag Tethered?

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify number of tether straps):
- (3) Deployed, unknown if tethered
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

#### Did The Air Bag Have Vent Ports?

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify number of vent ports):
- (3) Deployed, unknown if vent ports present
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

# Was the Air Bag in this Occupant's Position Contacted by Another Occupant?

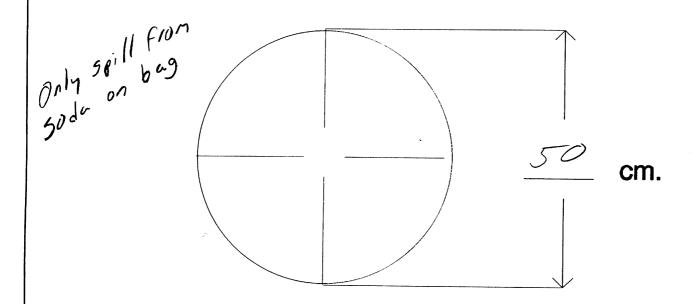
- (0) Not equipped/not available
- (1) No
- (2) Yes (spečify):
- (3) Deployed, unknown if other occupant contact to air bag
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

#### Was This Occupant Wearing Eye-wear?

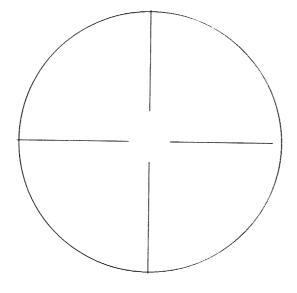
- (0) Not equipped/not available
- (1) No
- (2) Eyeglasses/sunglasses
- (3) Contact lenses
- (4) Deployed, unknown if eyewear worn
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

#### DRIVER AIR BAG DAMAGE AND CONTACT SKETCHES

1. SKETCH DAMAGE AND CONTACT EVIDENCE ON DRIVER AIR BAG (Front)



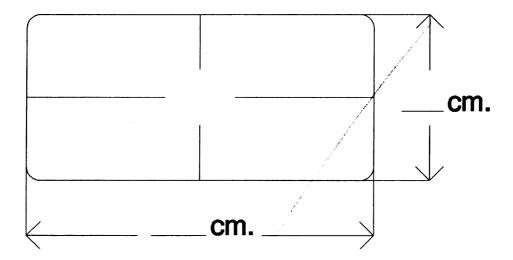
2. SKETCH DAMAGE AND CONTACT EVIDENCE ON DRIVER AIR BAG (Back)



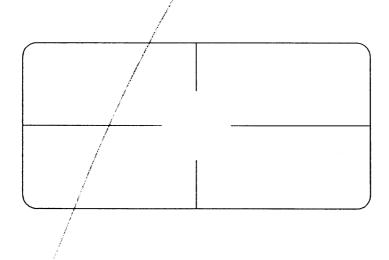
DRIVER AIR BAG S	KETCHES (Cont'd)
3. DRIVER AIR BAG MODULE COVER FLAP SIZE (DOUBLE)  a. Upper Flap  width (W <sub>U</sub> )	
4. SKETCH OF OTHER TYPE OF AIR BAG MODULE FLAP AND SIZE	5. SKETCH OF OTHER TYPE OF AIR BAG VENT PORTS
6. SKETCH LOCATION OF CIRCULAR AIR BAG VENT PORTS  10 2 9 3 8 7 6 5	

#### PASSENGER AIR BAG DAMAGE AND CONTACT SKETCHES

1. SKETCH DAMAGE AND CONTACT EVIDENCE ON PASSENGER AIR BAG (Front)

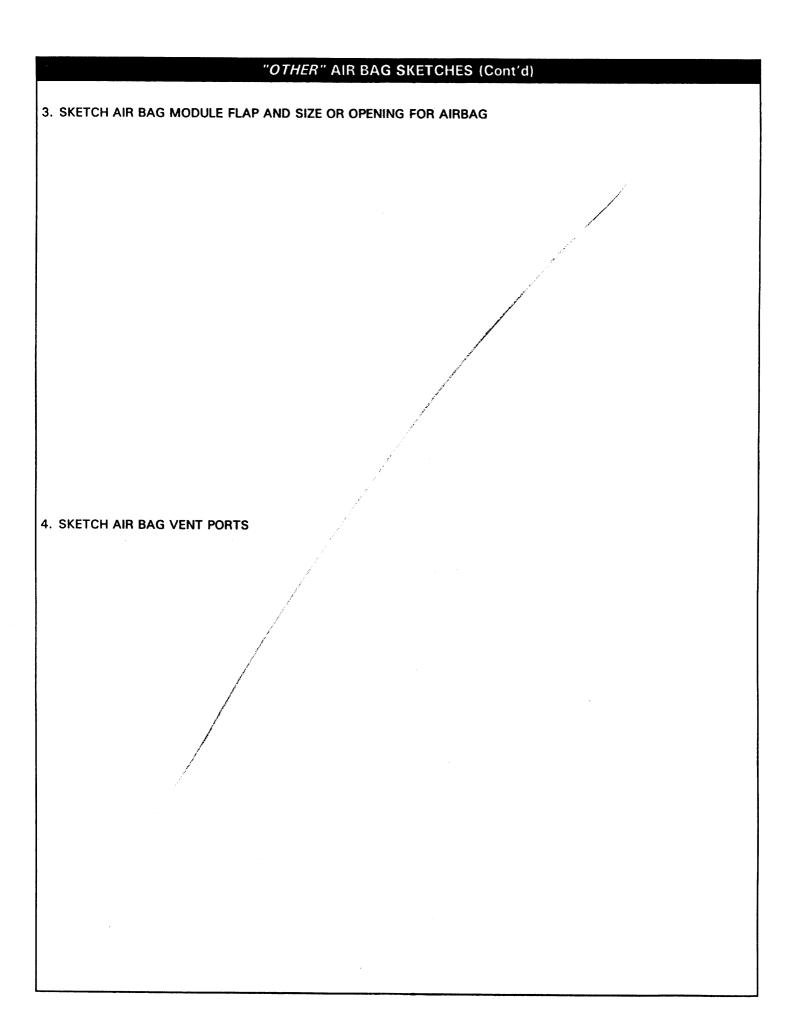


2. SKETCH DAMAGE AND CONTACT EVIDENCE ON PASSENGER AIR BAG (Back)



PASSENGER AIR BAC	SKETCHES (Cont'd)
3. PASSENGER AIR BAG MODULE COVER FLAP SIZE (SINGLE) a. Flap width (W) height (H) H	4. PASSENGER AIR BAG MODULE COVER FLAP SIZE (DOUBLE)  a. Upper Flap  width (Wu)  height (Hu)  Hu  Hu  Hu  Hu  Hu  Hu  Hu  Hu  Hu
E CYCTOLLOF OTHER TYPE OF AIR RAD MARKET	/
5. SKETCH OF OTHER TYPE OF AIR BAG MODULE FLAP AND SIZE	6. SKETCH OF OTHER TYPE OF AIR BAG VENT PORTS
7. SKETCH LOCATION OF RECTANGULAR AIR BAG VENT PORTS	
10 11 12 1 2 9 3 8 7 6 5 4	

"OTHER" AIR BAG DAMAGE AND CONTACT SKETCHES	,
1. SKETCH DAMAGE AND CONTACT EVIDENCE ON "OTHER" AIR BAG (Front)	
2. SKETCH DAMAGE AND CONTACT EVIDENCE ON "OTHER" AIR BAG (Back)	
The total of the t	
	į
	:



#### **HEAD RESTRAINTS/SEAT EVALUATION**

NOTES: Encode the applicable data for each seat position in the vehicle. The attribute for these variables may be found at the bottom of the page. Head restraint type/damage and seat type/performance should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

<u> </u>				
		Left	Center	Right
	Head Restraint Type/Damage	3	0	3
F	Seat Type	05	05	25-
l R	Seat Performance	/	0	0
S	Seat Orientation	l	0	0
1	Seat Track Position	6	0	0
	Seat Back Incline Pre/Post Impact	14	00	00 /
	Head Restraint Type/Damage			
s	Seat Type			
E C	Seat Performance			
0	Seat Orientation			
N D	Seat Track Position			
	Seat Back Incline Pre/Post Impact			
	Head Restraint Type/Damage			
Т	Seat Type			
H	Seat Performance			
R	Seat Orientation			
	Seat Track Position			
	Seat Back Incline Pre/Post Impact			
	Head Restraint Type/Damage			
0 T H	Seat Type			
	Seat Performance			
E R	Seat Orientation			
	Seat Track Position			
	Seat Back Incline Pre/Post Impact			

DESCRIBE ANY INDICATION OF ABNORMAL OCCUPANT POSTURE (I.E., UNUSUAL OCCUPANT CONTACT PATTERN)

#### HEAD RESTRAINTS/SEAT EVALUATION

#### Head Restraint Type/Damage by Occupant at This Occupant Position Position)

- (0) No head restraints
- (1) Integral no damage(2) Integral damaged during accident
- (3) Adjustable no damage(4) Adjustable damaged during accident
- (5) Add-on no damage(6) Add-on damaged during accident
- Other Specify):
- (9) Unknown

#### Seat Type (this Occupant Position)

- (00) Occupant not seated or no seat
- (01)Bucket
- (02)Bucket with folding back
- (03)Bench
- (04) Bench with separate back cushions
- Bench with folding back(s) (05)
- (06)Split bench with separate back cushions
- (07)Split bench with folding back(s)
- (08) Pedestal (i.e., column supported)
- (09) Other seat type (specify):
- (10) Box mounted seat (i.e., van type)
- (99) Unknown

# Seat Performance (this Occupant

- (0) Occupant not seated or no seat
- No seat performance failure(s) (1)
- Seat adjusters failed (2)
- Seat back folding locks or "seat back" failed (specify):
- (4) Seat tracks/anchors failed
- (5) Deformed by impact of occupant
- (6) Deformed by passenger compartment intrusion (specify):
- (7) Combination of above (specify):
- (8) Other (specify):
- (9) Unknown

#### Seat Orientation (this Occupant Position)

- (0) Occupant not seated or no seat
- Forward facing seat
- Rear facing seat (2)
- (3)Side facing seat (inward)
- (4)Side facing seat (outward)
- (8) Other (specify):
- (9) Unknown

#### Seat Back Incline Prior and Post Impact (00) Occupant not seated or no seat

- (01) Not adjustable

#### Upright prior to impact

- (11) Moved to completely rearward position
- (12)Moved to rearward midrange position
- (13)Moved to slightly rearward position
- (14)Retained pre-impact position
- Moved to slightly forward (15)position
- (16)Moved to forward midrange position
- (17)Moved to completely forward position

#### Slightly reclined prior to impact

- (21) Moved to completely rearward position
- (22)Moved to rearward midrange position
- Retained pre-impact postion (23)
- Moved to upright position
- Moved to slightly forward (25)position
- (26)Moved to forward midrange
- (27)Moved to completely forward position

#### Seat Track Adjusted Position Prior To **Impact**

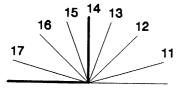
- (0) Occupant not seated or no seat
- (1) Non-adjustable seat track

#### Adjustable Seat Track

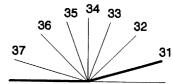
- (2) Seat at forward most track position
- (3) Seat between forward most and middle track positions
- Seat at middle track position
- (5) Seat between middle and rear most track positions
- Seat at rear most track position
- (9) Unknown

#### Completely reclined prior to impact

- Retained pre-impact position
- Moved to rearward midrange position
- (33)Moved to slightly rearward position
- (34)Moved to upright position
- (35)Moved to slightly forward position
- (36)Moved to forward midrange position
- (37)Moved to completely forward position
- (99) Unknown







Coding diagrams for Seat Back Incline Position Prior and Post Impact

CHILD SAFETY	Y SEAT FIELD ASSESSMENT
When a child safety seat is present enter the or	occupant's number in the first row and complete the column below d below. Complete a column for each child safety seat present.
Occupant Number	
1. Type of Child Safety Seat	
2. Child Safety Seat Orientation	
3. Child Safety Seat Harness Usage	
4. Child Safety Seat Shield Usage	
5. Child Safety Seat Tether Usage	
6. Child Safety Seat Make/Model	Specify Below for Each Child Safety Seat
1. Type of Child Safety Seat  (0) No child safety seat (1) Infant seat (2) Toddler seat (3) Convertible seat (4) Booster seat (7) Other type child safety seat (specify):  (8) Unknown child safety seat type (9) Unknown if child safety seat used  2. Child Safety Seat Orientation (00) No child safety seat Designed for Rear Facing for This Age/Weight (01) Rear facing	(01) After market harness/shield/tether added, not used (02) After market harness/shield/tether used (03) Child safety seat used, but no after market harness/shield/tether added (09) Unknown if harness/shield/tether added or used  Designed With Harness/Shield/Tether
<ul> <li>(02) Forward facing</li> <li>(08) Other orientation (specify):</li> <li>(09) Unknown orientation</li> <li>Designed for Forward Facing for This Age/Weight</li> <li>(11) Rear facing</li> <li>(12) Forward facing</li> <li>(18) Other orientation (specify):</li> <li>(19) Unknown orientation</li> <li>Unknown Design or Orientation For This Age/Weight, or Unknown Age/Weight</li> <li>(21) Rear facing</li> </ul>	<ul> <li>(11) Harness/shield/tether not used</li> <li>(12) Harness/shield/tether used</li> <li>(19) Unknown if harness/shield/tether used</li> <li>Unknown If Designed With Harness/Shield/Tether</li> <li>(21) Harness/shield/tether not used</li> <li>(22) Harness/shield/tether used</li> <li>(29) Unknown if harness/shield/tether used</li> <li>(99) Unknown if child safety seat used</li> <li>6. Child Safety Seat Make/Model</li> <li>(Specify make/model and occupant number)</li> </ul>
<ul><li>(22) Forward facing</li><li>(28) Other orientation (specify):</li><li>(29) Unknown orientation</li></ul>	
<ul><li>(99) Unknown if child safety seat used</li><li>3. Child Safety Seat Harness Usage</li></ul>	

Complete the following if the rece		/ENTRAPM					
Complete the following if the research in the vehicle. Code the appropria	archer has any ate data on the	indication that Occupant Ass	t an occup sessment f	ant was eit Form.	her ejected	from or entrappe	
EJECTION No 1 Yes [ Describe indications of ejection an		nvolved in part	tial ejection	n(s):			
				<del></del>			
Occupant Number							
Ejection							
(Note on Vehicle Interior Sketch) Ejection Area							
Ejection Medium							
Medium Status							
Ejection (1) Complete ejection (2) Partial ejection (3) Ejection, Unknown degree (9) Unknown		r area (e.g., ba ip, etc.) (specif		(8) O <sub>1</sub>	tegral struc ther mediun		
Ejection Area (1) Windshield		Ejection Medium (1) Door/hatch/tailgate			Medium Status (Immediately Prior to Impact) (1) Open		
<ul><li>(2) Left front</li><li>(3) Right front</li><li>(4) Left rear</li><li>(5) Right rear</li><li>(6) Rear</li></ul>	(2) Nonfix (3) Fixed	ixed roof struc		(2) Cl (3) In		ture	
ENTRAPMENT No [X] Yes	s [ ]						
Describe entrapment mechanism:					·		
Component(s):							
(Note in vehicle interior diagram)					-		



#### U.S. Department of Transportation

2. Case Number - Stratum

#### **OCCUPANT ASSESSMENT FORM**

1280

Form Approved O.M.B. No. 2127-0021

NATIONAL ACCIDENT SAMPLING SYSTEM

National Highway Traffic Safety

Administration 1. Primary Sampling Unit Number

	CRASHWORTHINESS D	ATA	SYSTEN
	OCCUPANT'S SEATING	1	
10	Occupant's Seat Position  Front Seat  (11) Left side  (12) Middle  (13) Right side  (14) Other (specify):  (15) On or in the lap of another occupant		<u> </u>
	Second Seat (21) Left side (22) Middle (23) Right side (24) Other (specify): (25) On or in the lap of another occupant		
	Third Seat (31) Left side (32) Middle (33) Right side (34) Other (specify): (35) On or in the lap of another occupant		
	Fourth Seat (41) Left side (42) Middle (43) Right side (44) Other (specify): (45) On or in the lap of another occupant	<del></del>	
	(97) In or on unenclosed area (98) Other seat (specify): (99) Unknown	_	
1	Occupant's Posture     (0) Normal posture		<u>0</u>
	<ul> <li>Abnormal posture</li> <li>(1) Kneeling or standing on seat</li> <li>(2) Lying on or across seat</li> <li>(3) Kneeling, standing or sitting in front of the standard o</li></ul>	h an w	other
	(9) Unknown		
1			

# OCCUPANT'S CHARACTERISTICS

5.	Occupant's Age	28
	Code actual age at time of accident. (00) Less than one year old (specify	by month):

- (97) 97 years and older
- (99) Unknown
- 6. Occupant's Sex
  - (1) Male
  - (2) Female-not reported pregnant
  - (3) Female-pregnant-1st trimester(1st-3rd month)
  - (4) Female-pregnant-2nd trimester(4th-6th month)
  - (5) Female-pregnant-3rd trimester(7th-9th month)
  - (6) Female-pregnant-term unknown
  - (9) Unknown
- 7. Occupant's Height Code actual height to the nearest centimeter. (999) Unknown

70	inches X	2.54 =	17	8	centimeters
<u> </u>					

8. Occupant's Weight Code actual weight to the nearest kilogram.

(999)Unknown  $\frac{70}{2}$  pounds X .4536 =  $\frac{077}{2}$  kilograms

- 9. Occupant's Role
  - (1) Driver
  - (2) Passenger
  - (9) Unknown

EJECTION/EN	NTRAPMENT
12. Ejection (O) No ejection (1) Complete ejection (2) Partial ejection (3) Ejection, unknown degree (9) Unknown  13. Ejection Area (0) No ejection (1) Windshield (2) Left front (3) Right front (4) Left rear (5) Right rear (6) Rear (7) Roof (8) Other area (e.g., back of pickup, etc.) (specify): (9) Unknown  14. Ejection Medium (0) No ejection (1) Door/hatch/tailgate (2) Nonfixed roof structure (3) Fixed glazing (4) Nonfixed glazing (specify):  (5) Integral structure (8) Other medium (specify):	15. Medium Status (Immediately Prior To Impact) (0) No ejection (1) Open (2) Closed (3) Integral structure (9) Unknown  16. Entrapment (0) Not entrapped/exit not inhibited (1) Entrapped/pinned - mechanically restrained (2) Could not exit vehicle due to jammed doors, fire, etc. (specify):

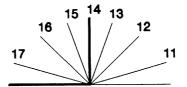
BELT SYSTE	M FUNCTION
18. Manual (Active) Belt System Availability (0) None available (1) Belt removed/destroyed (2) Shoulder belt (3) Lap belt	22. Shoulder Belt Upper Anchorage Adjustment (0) No shoulder belt (1) No upper anchorage adjustment for shoulder belt  Adjustable shoulder Belt Upper Anchorage (2) In full up position
<ul> <li>(4) Lap and shoulder belt</li> <li>(5) Belt available—type unknown</li> <li>Integral Belt Partially Destroyed</li> <li>(6) Shoulder belt (lap belt destroyed/removed)</li> </ul>	<ul> <li>(2) In full up position</li> <li>(3) In mid position</li> <li>(4) In full down position</li> <li>(5) Position unknown</li> <li>(9) Unknown if position has adjustable upper</li> </ul>
(7) Lap belt (shoulder belt destroyed/removed) (8) Other belt (specify):  (9) Unknown  19. Manual (Active) Belt System Use (00) None used, not available, or belt	anchorage adjustment  23. Automatic (Passive) Belt System Availability/ Function (0) Not equipped/not available (1) 2 point automatic belts (2) 3 point automatic belts
removed/destroyed (01) Inoperative (specify):  (02) Shoulder belt (03) Lap belt	(3) Automatic belts - type unknown  Non-functional (4) Automatic belts destroyed or rendered inoperative (9) Unknown
(04) Lap and shoulder belt (05) Belt used—type unknown (08) Other belt used (specify):  (12) Shoulder belt used with child safety seat	24. Automatic (Passive) Belt System Use (0) Not equipped/not available/destroyed or rendered inoperative (1) Automatic belt in use (2) Automatic belt not in use (manually
(13) Lap belt used with child safety seat (14) Lap and shoulder belt used with child safety seat (15) Belt used with child safety seat—type unknown (18) Other belt used with child safety seat	disconnected, motorized track inoperative) (specify): (3) Automatic belt use unknown (9) Unknown
(specify): (99) Unknown if belt used  20. Proper Use of Manual (Active) Belts	25. Automatic (Passive) Belt System Type (0) Not equipped/not available (1) Non-motorized system (2) Motorized system (9) Unknown
(0) None used or not available (1) Belt used properly (2) Belt used properly with child safety seat  Belt Used Improperly	26. Proper Use of Automatic (Passive) Belt System (0) Not equipped/not available/not used (1) Automatic belt used properly
<ul> <li>(3) Shoulder belt worn under arm</li> <li>(4) Shoulder belt worn behind back or seat</li> <li>(5) Belt worn around more than one person</li> <li>(6) Lap belt worn on abdomen</li> <li>(7) Lap belt or lap and shoulder belt used improperly with child safety seat (specify):</li> </ul>	(2) Automatic belt used properly with child safety seat  Automatic Belt Used Improperly (3) Automatic shoulder belt worn under arm (4) Automatic shoulder belt worn behind back (5) Automatic belt worn around more than
(8) Other improper use of manual belt system (specify):	one person (6) Lap portion of automatic belt worn on abdomen (7) Automatic lap and shoulder belt or
(9) Unknown	automatic shoulder belt used improperly with child safety seat (specify):
21. Manual (Active) Belt Failure Modes During Accident (0) No manual belt used or not available (1) No manual belt failure(s) (2) Torn webbing (stretched webbing not	(8) Other improper use of automatic belt system (specify): (9) Unknown
included) (3) Broken buckle or latchplate (4) Upper anchorage separated (5) Other anchorage separated (specify):	27. Automatic (Passive) Belt Failure Modes During Accident (0) Not equipped/not available/not in use (1) No automatic belt failure(s) (2) Torn webbing (stretched webbing not included)
(6) Broken retractor (7) Combination of above (specify):	<ul><li>(3) Broken buckle or latchplate</li><li>(4) Upper anchorage separated</li><li>(5) Other anchorage separated (specify):</li></ul>
(8) Other manual belt failure (specify):  (9) Unknown	(6) Broken retractor (7) Combination of above (specify):
	(8) Other automatic belt failure (specify):  (9) Unknown

POLICE REPORTED RESTRAINT USE	AIR BAG SYSTEM FUNCTION
28. Police Reported Belt Use  (0) None used (1) Police did not indicate belt use (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt (5) Belt used, type not specified (6) Child safety seat (7) Automatic belt (8) Other type belt, (specify):  (9) Police indicated "unknown"  29. Police Reported Air Bag Availability/Function (0) No air bag available (1) Police did not indicate air bag availability/function (2) Deployed (3) Not deployed (4) Unknown if deployed (9) Police indicated "unknown"	30. Frontal Air Bag System Availability/Function (This Occupant Position) (0) Not equipped/not available (1) Air bag  Non-functional (2) Air bag disconnected (specify):  (3) Air bag not reinstalled (9) Unknown  31. Frontal Air Bag System Deployment (This Occupant Position) (0) Not equipped/not available (1) Deployed during accident (as a result of impact) (2) Deployed inadvertently just prior to accident (3) Deployed, details unknown (4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical) (5) Unknown if deployed (7) Nondeployed (9) Unknown
Check the Primary Source Used In Determining Belt Use.  [ ] Not equipped/not available/destroyed or rendered inoperative [ ] Vehicle inspection [ ] Official injury data [ ] Driver/occupant interview [ ] Other (specify): [ ] Unknown if belt used	32. Other Than First Seat Frontal Air Bag Availability/Function (This Occupant Position) (0) Not equipped/not available (1) Air bag  Non-functional (2) Air bag disconnected (specify):  (3) Air bag not reinstalled (9) Unknown Specify type of "other" air bag present:
	33. Air Bag(s) Deployment, Other Than First Seat Frontal (This Occupant Position) (0) Not equipped with an "other" air bag (1) Deployed during accident (as a result of impact) (2) Deployed inadvertently just prior to accident (3) Deployed, details unknown (4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical) (5) Unknown if deployed (7) Nondeployed (9) Unknown  34. Are There Indications of Air Bag System Failure? (This Occupant Position) (0) Not equipped/not available (1) No (2) Yes (specify):

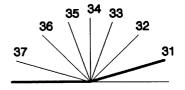
FIRST SEAT FRONTAL AIR	BAG SYSTEM EVALUATION
35. Had Vehicle Been in Previous Accident(s)?  (0) Not equipped/not available (1) No previous accidents  Yes (2) Previous accident(s) without deployment(s) (3) One previous accident with deployment (4) More than one previous accident with at least one deployment (8) Previous accidents, unknown deployment status (9) Unknown	40. Longitudinal Component of Delta V For Air Bag Deployment Impact (_000) Not equipped/not available Code the value of the delta V for the impact that initiated the air bag deployment (_996) Deployment, unknown longitudinal Delta V (_997) Not deployed (_998) Unknown if deployed (_999) Unknown
36. Type of Air Bag (0) Not equipped/not available (1) Original manufacturer installed system (2) Retrofitted air bag (3) Replacement air bag (8) Unknown type of air bag (9) Unknown	41. Did Air Bag Module Cover Flap(s) Open At Designated Tear Points? (0) Not equipped/not available (1) No (2) Yes (3) Deployed, unknown if flap(s) opened at designated tear points (7) Not deployed (8) Unknown if deployed
37. Had Any Prior Maintenance/Service  Been Performed On This Air Bag System?  (0) Not equipped/not available  (1) No prior maintenance  (2) Yes, prior maintenance (specify):	(9) Unknown  42. Were Air Bag Module Cover Flap(s) Damaged? /  (0) Not equipped/not available  (1) No  (2) Yes (specify):
(9) Unknown  38. Air Bag Deployment Accident Event Sequence Number (00) Not equipped/not available Code the accident event sequence number that initiated the air bag deployment (96) Deployed, unknown event (97) Not deployed	<ul> <li>(3) Deployed, unknown if air bag module cover flap(s) damaged</li> <li>(7) Not deployed</li> <li>(8) Unknown if deployed</li> <li>(9) Unknown</li> <li>43. Was There Damage To The Air Bag?</li> <li>(00) Not equipped/not available</li> <li>(01) Not damaged</li> <li>Yes - Air Bag Damage</li> </ul>
(98) Unknown if deployed (99) Unknown  39. CDC For Air Bag Deployment Impact (0) Not equipped/not available (1) Highest delta V (2) Second highest delta V (3) Other non-coded delta V (specify):  (6) Deployed, unknown event (7) Not deployed (8) Unknown if deployed (9) Unknown	(02) Ruptured (03) Cut (04) Torn (05) Holed (06) Burned (07) Abraded (88) Other damage (specify):  (95) Damaged, details unknown (96) Deployed, unknown if damaged (97) Not deployed (98) Unknown if deployed (99) Unknown

	FIRST SEAT FRONTAL AIR BAG SYSTEM EVALUATION continued		HE	AD RESTRAINT AND SEAT EVALUATION
	$\mathcal{L}$	(		Head Restraint Type/Damage by Occupant
44.	Source of Air Bag Damage U	<u> </u>		at This Occupant Position (0) No head restraints
	01) Not damaged	Į.		(1) Integral—no damage
```	02) Object worn by occupant, (specify):	ľ		(2) Integral—damaged during accident
`	OZ, Object World by occupant, toposit,			(3) Adjustable—no damage
(	O3) Object carried by occupant, (specify):			(4) Adjustable—damaged during accident
(	(04) Adaptive/assistive controls, (specify):			<ul><li>(5) Add-on—no damage</li><li>(6) Add-on—damaged during accident</li><li>(8) Other (specify):</li></ul>
	(05) Fire in vehicle			
	(06) Thermal burns			(9) Unknown
	(07) Rescue or emergency efforts			$\rho \subset 0$
	(88) Other damage source (specify):	1	50.	Seat Type (this Occupant Position)
				(00) Occupant not seated or no seat
	(95) Damaged, unknown source			(01) Bucket
	(96) Deployed, unknown if damaged			(02) Bucket with folding back
	(97) Not deployed			(03) Bench
	(98) Unknown if deployed			(04) Bench with separate back cushions
	(99) Unknown			(05) Bench with folding back(s)
		$\bigcirc$	1	(06) Split bench with separate back cushions
45	Was The Air Bag Tethered?	6		(07) Split bench with folding back(s)
73.	(O) Not equipped/not available			(08) Pedestal (i.e., column supported)
	(1) No			(09) Box mounted seat (i.e., van type)
	(2) Yes (specify number of tether straps):			(10) Other seat type (specify):
	7	_		(OO) Halmoura
	(3) Deployed, unknown if tethered			(99) Unknown /
	(7) Not deployed		51	Seat Orientation (this Occupant Position)
	(8) Unknown if deployed		31.	(0) Occupant not seated or no seat
	(9) Unknown	$\sim$		(1) Forward facing seat
46	Did The Air Bag Have Vent Ports?	1		(2) Rear facing seat
	(0) Not equipped/not available		1	(3) Side facing seat (inward)
	(1) No			(4) Side facing seat (outward)
	(2) Yes (specify number of vent ports):			(8) Other (specify):
	مسلح	_		
	(3) Deployed, unknown if vent ports present		ļ	(9) Unknown
	(7) Not deployed			D. J. T. J. A. W. A. J. D. William B. Laurent D.
	(8) Unknown if deployed		52.	Seat Track Adjusted Position Prior To Impact
	(9) Unknown	1		(0) Occupant not seated or no seat
47	Was the Air Bag in this Occupant's Position	ı	1	(1) Non-adjustable seat track
4/.	Contacted by Another Occupant?			Adjustable Seat Track
	(0) Not equipped/not available			(2) Seat at forward most track position
	(1) No		1	(3) Seat between forward most and middle track
	(2) Yes (specify):			positions
	(2) 100 (5)00,		1	(4) Seat at middle track position
ŀ	(3) Deployed, unknown if other occupant con	tact		(5) Seat between middle and rear most track
ļ	to air bag		1	positions
	(7) Not deployed			(6) Seat at rear most track position
	(8) Unknown if deployed		1	(9) Unknown
	(9) Unknown			
		2		
48.	Was This Occupant Wearing Eye-wear?	<u></u>		
	(0) Not equipped/not available			
	(1) No		1	
	(2) Eyeglasses/sunglasses		1	
l	(3) Contact lenses		1	
	(4) Deployed, unknown if eyewear worn			
	(7) Not deployed			
	(8) Unknown if deployed		1	
	(8) Unknown if deployed			

	HEAD RESTRAINT AND SEA	AT EVALUATION continued
53.	Seat Back Incline Prior and Post Impact (00) Occupant not seated or no seat (01) Not adjustable	
	<ul> <li>Upright prior to impact</li> <li>(11) Moved to completely rearward position</li> <li>(12) Moved to rearward midrange position</li> <li>(13) Moved to slightly rearward position</li> <li>(14) Retained pre-impact position</li> <li>(15) Moved to slightly forward position</li> <li>(16) Moved to forward midrange position</li> <li>(17) Moved to completely forward position</li> </ul>	15 14
	Slightly reclined prior to impact (21) Moved to completely rearward position (22) Moved to rearward midrange position (23) Retained pre-impact position (24) Moved to upright position (25) Moved to slightly forward position (26) Moved to forward midrange position (27) Moved to completely forward position	25 24 26 27
	Completely reclined prior to impact (31) Retained pre-impact position (32) Moved to rearward midrange position (33) Moved to slightly rearward position (34) Moved to upright position (35) Moved to slightly forward position (36) Moved to forward midrange position (37) Moved to completely forward position	35 34 36 37
	(99) Unknown	
54.	Seat Performance (this Occupant Position)  (0) Occupant not seated or no seat  (1) No seat performance failure(s)  (2) Seat adjusters failed  (3) Seat back folding locks or "seat back" failed  (specify):  (4) Seat track/anchors failed  (5) Deformed by impact of occupant  (6) Deformed by passenger compartment intrusion, (specify):  (7) Combination of above (specify):	
	(8) Other (specify):(9) Unknown	
		I







	CHILD S	SAFET'	Y SEA	T	
55.	Child Safety Seat Make/Model 000	) 58	Child	Safety Seat Harness Usage	00
	(000) No child safety seat Applicable codes are found in your NASS CDS Data Collection, Coding and Editing (950) Built-in child safety seat	59	. Child	Safety Seat Shield Usage	00
	(997) Other make/model (specify):  (998) Unknown make/model (999) Unknown if child safety seat used	60		Safety Seat Tether Usage Options below applicable to	00
56.	Type of Child Safety Seat	0	(00)	bles OA58-OA60. No child safety seat	at
	<ul><li>(0) No child safety seat</li><li>(1) Infant seat</li><li>(2) Toddler seat</li></ul>		(01)	Designed With Harness/Shield/Tether Market harness/shield/tether added, not used	er
	<ul> <li>(3) Convertible seat</li> <li>(4) Booster seat - with shield</li> <li>(5) Booster seat - without shield</li> <li>(7) Other type child safety seat (specify):</li> </ul>		(03)	After market harness/shield/tethe Child safety seat used, but no at harness/shield/tether added Unknown if harness/shield/tethe	fter market
	(8) Unknown child safety seat type (9) Unknown if child safety seat used		Desig	added or used  ned With Harness/Shield/Tether	
57.	Child Safety Seat Orientation (00) No child safety seat	0	(12)	Harness/shield/tether not used Harness/shield/tether used Unknown if harness/shield/tethe	r used
	Designed for Rear Facing for This Age/Weight (01) Rear facing (02) Forward facing (08) Other orientation (specify):		(21) (22)	own If Designed With Harness/S. Harness/shield/tether not used Harness/shield/tether used Unknown if harness/shield/tethe	
	(09) Unknown orientation		(99)	Unknown if child safety seat use	ed
	Designed For Forward Facing for This Age/Weight (11) Rear facing (12) Forward facing (18) Other orientation (specify):	ht			
	(19) Unknown orientation				
	Unknown Design or Orientation For This Age/Weight, or Unknown Age/Weight (21) Rear facing (22) Forward facing				
	(28) Other orientation (specify):		•		
	<ul><li>(29) Unknown orientation</li><li>(99) Unknown if child safety seat used</li></ul>				

61.	INJURY CONSEQUENCES Injury Severity (Police Rating)	3	63. Type Of Medical Facility (for Initial Treatment)
	<ul> <li>(0) O - No injury</li> <li>(1) C - Possible injury</li> <li>(2) B - Nonincapacitating injury</li> <li>(3) A - Incapacitating injury</li> <li>(4) K - Killed</li> <li>(5) U - Injury, severity unknown</li> <li>(6) Died prior to accident</li> <li>(9) Unknown</li> </ul>	ſ	(0) Not treated at a medical facility (1) Trauma center (2) Hospital (3) Medical clinic (4) Physician's office (5) Treatment later at medical facility (8) Other (specify):
	Treatment - Mortality (0) No treatment (1) Fatal (2) Fatal - ruled disease (specify):	if ·	64. Hospital Stay (00) Not HospitalizedCode the number of days (up through 60) that the occupant stayed in hospital. (61) 61 days or more (99) Unknown  65. Working Days LostCode the number of days (up through 60) that the occupant lost from work due to the accident (00) No working days lost (61) 61 days or more (62) Fatally injured (97) Not working prior to accident (99) Unknown

#### STOP WORK HERE

**VARIABLES 66-74** 

#### TO BE CODED BY THE ZONE CENTER

2 days with \$15=1
enjuries He had
cenduryone previous
multiple back proceders
for hermated dise.
Af you get edets, its OK

## TO BE CODED BY THE ZONE CENTER

INJURY CONSEQUENCES	TRAUMA DATA
Code number of hours from time of accident to time of death up through 24 hours. If time of death is greater than 24 hours, code number of days. (Note: 1 day = 31, 2 days = 32, n days = 30 + n up through 30 days = 60)  (00) Not fatal (96) Fatal - ruled disease (99) Unknown	71. Glasgow Coma Scale (GCS) Score (at Medical Facility) (00) Not injured (01) Injured - not treated at medical facility (02) No GCS Score at medical facility (03-15) Code the actual value of the initial GCS Score recorded at medical facility. (97) Injured, details unknown (99) Unknown if injured
67. 1st Medically Reported Cause of Death  68. 2nd Medically Reported Cause of Death  Code the Occupant Injury from line number(s) for the medically reported injury(s) which reportedly contributed to this occupant's death  (00) Not fatal or no additional causes (96) Mode of death given but specific injuries are not linked to cause of death. (specify):	72. Was the Occupant Given Blood?  (1) No - blood not given (2) Yes - blood given (specify units):  (9) Unknown if blood given  73. Arterial Blood Gases (ABG) – HCO <sub>3</sub> (00) Not injured (01) Injured, ABGs not measured or reported (02-50) Code the actual value of the HCO <sub>3</sub> (96) ABGs reported , HCO <sub>3</sub> unknown (97) Injured, details unknown (99) Unknown if injured
(97) Other result (includes fatal ruled disease) (specify):	BELT USE DETERMINATION
70. Number of Recorded Injuries for This Occupant Code the actual number of injuries recorded for this occupant. (00) No recorded injuries (97) Injured, details unknown (99) Unknown if injured	74. Primary Source of Belt Use Determination (0) Not equipped/not available/destroyed or rendered inoperative (1) Vehicle inspection (2) Official injury data (3) Driver/occupant interview (8) Other (specify): (9) Unknown if belt used



Administration

U.S. Department of Transportation National Highway Traffic Safety

#### **OCCUPANT INJURY FORM**

Form Approved O.M.B. No. 2127-0021

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number

09

3. Vehicle Number

00

2. Case Number - Stratum

128J

4. Occupant Number

#### **INJURY DATA**

Record below the actual injuries sustained by this occupant that were identified from the official and unofficial data sources. Remember not to double count an injury just because it was identified from two different sources. If greater than ten injuries have been documented, encode the balance on the Occupant Injury Supplement.

	Cauras		Tuna	A.I.S	90		•		Injury	Disast	Occupant
	Source of Injury	Body	Type of Anatom		Level of	A.I.S.		Injury	Source Confidence	Direct/ Indirect	Area Intrusion
	_ Data	Region	Structur	e Structure	Injury	Severity	Aspec	t Source	Level	Injury	Number
Pru 1st	5. <u>2</u>	6. <u>6</u>	7. 4	8. 12	9. <u>78</u>	10	11.6	12. <u>6 83</u>	13. /	<sub>4.</sub> 솔_	15
2nd	16. <u>2</u>	17. <u>6</u>	18. 4	19. 06	2078	21. /	22. 8	23. <u>603</u>	24/ 2	25. <u>3</u>	26
abr 3rd	, 27. <u>3</u>	28. 7	29. <u>9</u>	30. <u>DZ</u>	31. <u>02</u>	32. /	33.2	34. <u>/ 7 </u>	35. <u>2</u> 3	36. <u>/</u>	37
ath 4th	38. <u>3</u>	39. <u>8</u>	40. <u>9</u>	41. <u>02</u>	42. <u>02</u>	43	44. 2	45. <u>614</u>	46	17. /_	48. 00_
5th	49	50	51	52	53	54	55	56	57 E	58	59
6th	60	61	62	63	64	65	66	67	68 6	59. <u> </u>	70
7th	71	72	73	74	75	76	77	78	79 8	80. <u> </u>	81
8th	82	83	84	85	86	87	88	89	90 9	91	92
9th	93	94	95	96	97	98	99	100	101 10	02 1	оз
10th	104 1	105 1	06 1	07	108	109	110	111	112 11	13 1	14

HS Form 433B (1/95)

This report is authorized by P.L. 89-563, Title 1, Section 106, 108, and 112. While you are not required to respond, your cooperation is needed to make the results of this data collection effort comprehensive, accurate, and timely.

				OCC	JPANT I	NJURY	DATA				
	Source of Injury Data	Body Region	Type of Anatomic Structure	A.I.S 90 Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect	Injury Source	Injury Source Confidence Level	Direct/ Indirect Injury	Occupant Area Intrusion Number
11th	-										
12th					<del></del>						
13th			-								
14th											
15th											
16th											
17th											
18th	<del></del>									••••	
19th		******									******
20th		******									
21st											
22nd											
23rd		••••			<u></u>				Addition		
24th											
25th											

#### OCCUPANT INJURY CLASSIFICATION Level of Injury **Aspect** Specific Anatomic **Body Region** Structure Right Specific injuries are (1)Head (1)Left assigned consecutive (2) (2)**Face** (3)**Bilateral** Vessels, Nerves, Organs. two-digit numbers (3)Neck (4)Central Bones, Joints are assigned beginning with 02. (4)**Thorax Anterior** (5)consecutive two digit (5)Abdomen **Posterior** To the extent possible, (6)numbers beginning with (6)Spine Superior within the organizational (7)**Upper Extremity** 02. (7)framework of the AIS, 00 (8) Inferior Lower Extremity (8)is assigned to an injury (9) Unknown Unspecified The exceptions to this rule (9) NFS as to severity or (0)Whole region apply to: where only one injury is given in the dictionary for Whole Area Type of Anatomic (02) Skin - Abrasion that anatomic structure. Structure 99 is assigned to any (04) Skin - Contusion injury NFS as to lesion or (06) Skin - Laceration Whole Area (1) (08) Skin - Avulsion severity. (2) Vessels (10) Amputation **Nerves** (3)**Abbreviated Injury Scale** (4) (20) Burn Organs (includes Muscles/ligaments) (30) Crush Minor Injury (40) Degloving (1)Skeletal (includes (5)(50) Injury - NFS (2) Moderate Injury ioints) Head - LOC Serious Injury (90) Trauma, other than (3)(6)(4)Severe Injury mechanical (9) Skin Critical Injury (5)Head - LOC (6) Maximum (untreatable) (02) Length of LOC (7)Injured, unknown (04) Level severity (06) of (08) Consciousness (10) Concussion

Spine

(02)

Cervical

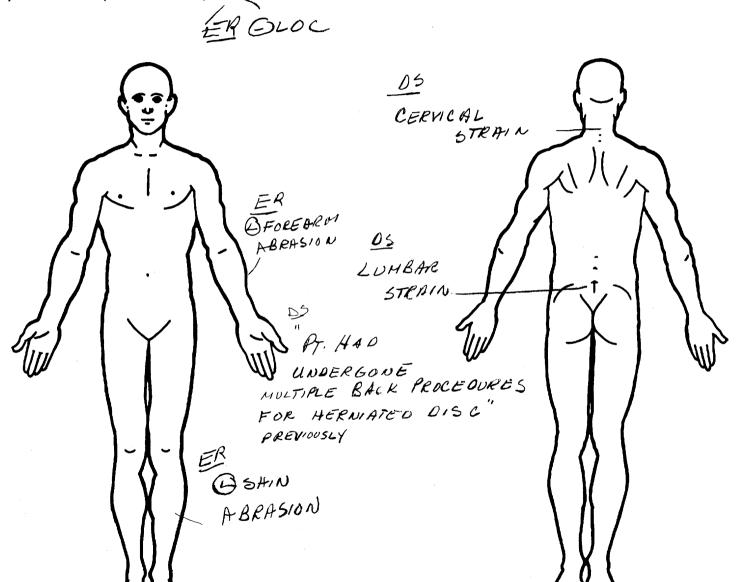
(04) Thoracic (06) Lumbar

#### **DIRECT/INDIRECT INJURY SOURCE OF INJURY DATA INJURY SOURCE CONFIDENCE LEVEL** OFFICIAL RECORDS Direct contact injury (1) Autopsy records with or (1) Certain (2) Indirect contact injury (2) Probable without hospital/medical (3) Possible Noncontact injury (3)records (2) Hospital/medical records other (9) Unknown Injured, unknown source than emergency room (e.g., discharge summary) (3) Emergency room records only (including associated X-rays or other lab reports) (4) Private physician, walk-in or emergency clinic **UNOFFICIAL RECORDS** (5) Lay coroner report (6) E.M.S. personnel (7) Interviewee (8) Other source (specify): (9) Police

			INJURY S	SOUR	CES		<u> </u>
FRONT		(102)	Right side hardware or	(183)	Air bag-passenger side and	(411)	Wall mounted head rest (used behind wheel chair)
(001)	Windshield	(103)	armrest Right A (A1/A2)-piller	(184)	object held Air bag-passenger side and	(412)	Other adaptive device
	Sunvisor		Right B-pillar	(104)	object in mouth	(412)	(specify):
	Steering wheel rim		Other right pillar (specify):	(185)	Air bag compartment		
	Steering wheel hub/spoke	, ,			cover-passenger side		
(006)	Steering wheel (combination	(106)	Right side window glass	(186).	Air bag compartment	EXTE	RIOR of OCCUPANT'S
	of codes 004 and 005)	(107)	Right side window frame		cover-passenger side and	VEHIC	CLE
(007)	Steering column,	(108)	Right side window sill		eyewear	(451)	Hood
	transmission selector lever,	(109)	Right side window glass	(187)	Air bag compartment	(452)	Outside hardware (e.g.,
	other attachment		including one or more of the		cover-passenger side and		outside mirror, antenna)
(008)	Cellular telephone or CB		following: frame, window	(4.00)	jewelry	(453)	Other exterior surface or
(000)	radio Add on equipment (e.g.,		sill, A (A1/A2)-pillar, B-pillar, or roof side rail.	(100)	Air bag compartment cover-passenger side and		tires (specify):
(009)	tape deck, air conditioner)	(110)	Other right side object		object held		
(010)	Left instrument panel and	(110)	(specify):	(189)	Air bag compartment	(454)	Unknown exterior objects
10.07	below			• • • • • • • • • • • • • • • • • • • •	cover-passenger side and	,,	
(011)	Center instrument panel and				object in mouth	EXTE	RIOR OF OTHER MOTOR
	below	INTER	IOR	(190)	Other air bag (specify)	VEHIC	CLE
(012)	Right instrument panel and	(151)	Seat, back support			(501)	Front bumper
	below	(152)	Belt restraint	(195)	Other air bag compartment		Hood edge
1	Glove compartment door		webbing/buckle		cover (specify)	(503)	Other front of vehicle
	Knee bolster	(153)	Belt restraint B-pillar or door				(specify):
(015)	Windshield including one or	/1EA	frame attachment point	BOOL		/E04\	Head
	more of the following: front header, A (A1/A2)-pillar,	(154)	Other restraint system component (specify):	ROOF	Front header		Hood Hood ornament
	instrument panel, mirror, or		component (specify).		Rear header		Windshield, roof rail, A-pillar
	steering assembly (driver	(155)	Head restraint system		Roof left side rail		Side surface
	side only)		Other occupants (specify):		Roof right side rail		Side mirrors
(016)	Windshield including one or			(205)	Roof or convertible top	(509)	Other side protrusions
	more of the following: front	(161)	Interior loose objects				(specify):
1	header, A (A1/A2)-pillar,	(162)	Child safety seat (specify):	FLOO	R		
	instrument panel, or mirror				Floor (including toe pan)		Rear surface
	(passenger side only)	(163)	Other interior object	(252)	Floor or console mounted		Undercarriage
(017)	Windshield reinforced by		(specify):		transmission lever, including		Tires and wheels
l	exterior object (specify)			(253)	console Parking brake handle	(513)	Other exterior of other motor vehicle (specify):
(019)	Other front object (specify):	AIR B	AG		Foot controls including		motor verille (specify).
,			Air bag-driver side	,,,	parking brake		
			Air bag-driver side and			(514)	Unknown exterior of other
LEFT	SIDE		eyewear	REAR			motor vehicle
(051)	Left side interior surface,	(172)	Air bag-driver side and	(301)	Backlight (rear window)		
	excluding hardware or		jewelry	(302)	Backlight storage rack,	OTHE	R VEHICLE OR OBJECT IN
	armrests	(173)	Air bag-driver side and		door, etc.		ENVIRONMENT
(052)	Left side hardware or	,	object held	(303)	Other rear object (specify):		Ground
(052)	left A (A 1/A 2) piller	(174)	Air bag-driver side and			(598)	Other vehicle or object
l .	Left A (A1/A2)-pillar Left B-pillar	(175)	object in mouth Air bag compartment	V D V I	PTIVE (ASSISTIVE) DRIVING		(specify):
	Other left pillar (specify):	(1/3)	cover-driver side		PMENT	(599)	Unknown vehicle or object
""	Carret Paris (Specify)	(176)	Air bag compartment		Hand controls for	(000)	Olikilowii Vollicie ol Object
(056)	Left side window glass		cover-driver side and		braking/acceleration	NON	CONTACT INJURY
(057)	Left side window frame		eyewear	(402)	Steering control devices		Fire in vehicle
(058)	Left side window sill	(177)	Air bag compartment		(attached to OEM steering	(602)	Flying glass
(059)	Left side window glass		cover-driver side and jewelry		wheel)	(603)	Other noncontact injury
	including one or more of the	(178)	Air bag compartment	(403)	Steering knob attached to		(specify): impact force
1	following: frame, window		cover-driver side and object		steering wheel	,	
1	sill, A (A1/A2)-pillar, B-pillar, or roof side rail.	1170	held	(405)	Replacement steering wheel		Air bag exhaulst gases
(060)	Other left side object	(1/9)	Air bag compartment cover-driver side and object	IADE	(i.e., reduced diameter)	(097)	Injured, unknown source
```	(specify):		in mouth		Joy stick steering controls Wheelchair tie-downs		
		(180	Air bag-passenger side		Modification to seat belts,		
			Air bag-passenger side and	-	(specify):		
1 .	T SIDE		eyewear	(409)	Additional or relocated		
(101)	Right side interior surface,	(182	Air bag-passenger side and		switches, (specify):		
1	excluding hardware or		jewelry				
1	armrests			(410)	Raised roof		

#### OFFICIAL INJURY DATA - SOFT TISSUE INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



<b>INJURY DATA</b>	
INGUAT DATA	

Restrained?

No

Yes

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)

Blood Alcohol Level (mg/dl)

BAL =

@Benzo

Glasgow Coma Scale Score

GCSS = 15

Units of Blood Given

Units =

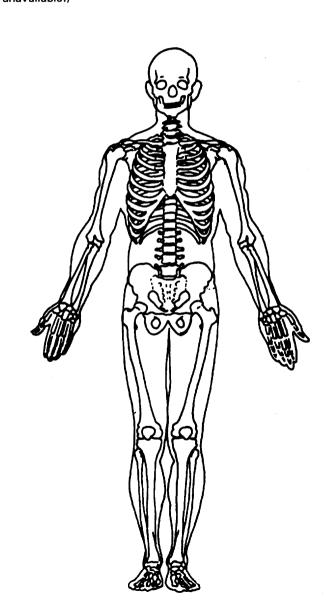
Arterial Blood Gases

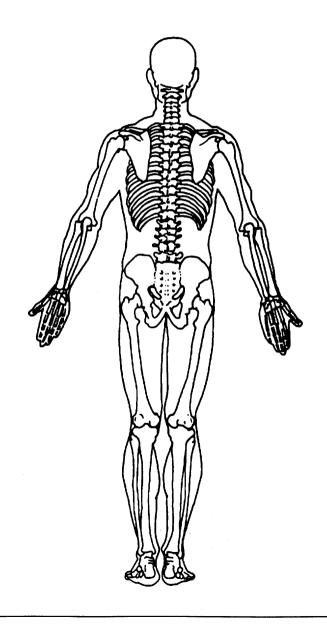
PO<sub>2</sub>=

PCO<sub>2</sub>

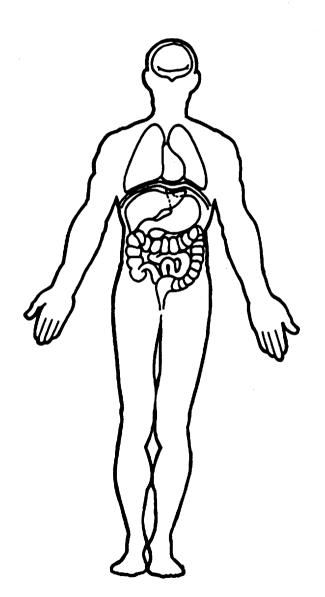
HCO<sub>3</sub> \_

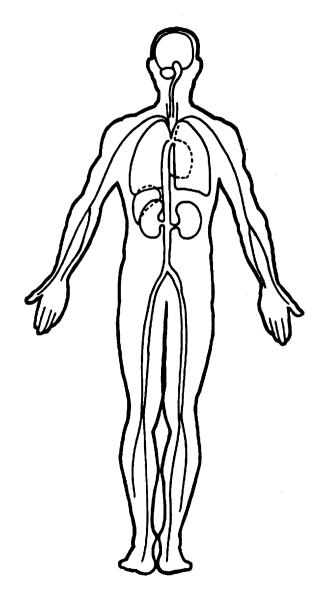
what





Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)







U.S. Department of Transportation

National Highway Traffic Safety Administration

#### **UPDATE FORM**

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

Primary Sampling Unit Number	09	Driver o
1. Filliary Sampling Offic Humbon		<i>D</i> vo. c
2. Case Number — Stratum	1285	Address
3. Vehicle Number	02	
4. O Number	01	Other I
4. Occupant Number		Othern

Null

Driver or Occupant Name:	
Address:	
Other Information:	

(Sanitize this section prior to Update submission.)

		INITIAL SUBMISSION	UPDATED INFORMATION			INITIAL SUBMISSION	UPDATED INFORMATION
	Date Official Medical Data Requested		95	OAL18.	Medical Facility Code	01	
	te Official Medical Data Obtained		95	GV14.	Alcohol Test Results For Driver	96	
OAL16. I	njury Treatment Status			GV16.	Other Drug Specimen Test Type For Driver	<u></u>	
	njury Information			OA05.	Occupant's Age	28	
	(invasive examination)	<u>B</u>		OA06.	Occupant's Sex		
includes	medical record which information about ased on non-invasive	<u>B</u>		OA07.	Occupant's Height _	178	
c. Admissi	on record/summary or on/discharge face sheet	<u>B</u>		OA08.	Occupant's Weight _ Treatment-Mortality	<u>077</u> 3	
d. Discharg	ge summary	<u>B</u>		OA62.	Type of Medical Facili	1	
e. Operativ	ve report	<u>B</u>		UA62.	(for Initial Treatment)	·y	
f. Radiogra CT scan	aphic record(s) (X-ray, )	<u>B</u>		OA63.	Hospital Stay	02	
	and physical examination consultation records	<u>B</u>					
h. Emerger nurses'	ncy room records (includes notes)	<u>B</u>					
j. Private j	physician	<u>B</u>					
Unoffici	<u>al</u>						
k. Lay core	oner	<u>B</u>	·				
I. EMS red	cord	<u>B</u>					
m. Interviev	wee	<u>B</u>					
n. Other so	ource (specify):	<u>B</u>	<u>B</u>				
o. Police re	eport	<u>B</u>	<u>B</u>				



U.S. Department of Transportation

## CRASHPC PROGRAM SUMMARY

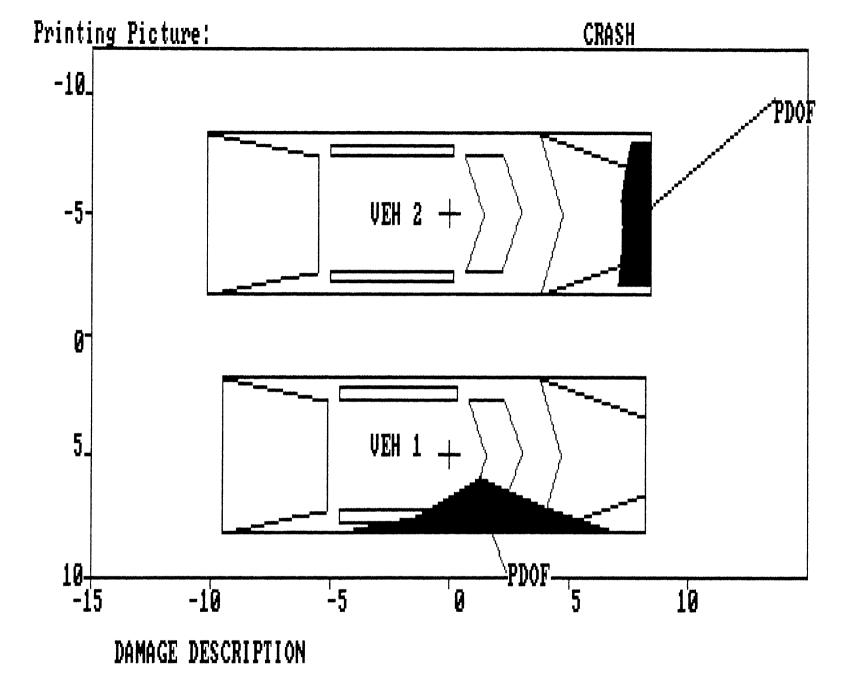
National Highway Traffic Safety

(All Measurements In Metric)

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

Administration					
Identifying Title Primary Sampling Unit	/ 2 8 J Case No. Stratum		ent Event Da	gate (Month, day, year) of Run	<u>ح</u>
CDACUDO VARIAL LA			<del></del>		*
CRASHPC Vehicle Ide	_	_ /	7	inderbird	71
Vehicle 1	1989	Ford			01
Vehicle 2	1794	Toyor	7/0	000	02
	Year	Make		Model	NASS Veh. No.
	OFNE	DAL INICO	DMATION		
•		TAL INFO	RMATION ·		
,	VEHICLE I	1.1		VEHICLE 2	/
Size		7	Size		5
Weight		,	Weight		
1607+62+	0 = 1669	kg /	1832+ 77 +	0 = 190	クラ ka
1144	Cargo		Curb Occupant(s)	Cargo	
CDC 4	クマRYAV	4 (	CDC	11 FDE	wod
PDOF (-180 to +180		) · · (	PDOF (-180 to +18	0) カロ	400
Stiffness			Stiffness		8
Ottimoss			<b>C</b> tiriii oo o		# Manager and an
	SCEN	VE INFOR	MATION		
		,			
Rest and Impact Posi		nage Inform			
\	JEHICLE 1			VEHICLE 2	
Dana	~	!	Doot	V	
Rest Position	X	m	Rest Position	X	m
	Υ	m		Y	m
	PSI	О		PSI	·····
lmnaat	Χ .	m 1	Impact	X	<b>D</b> .
Impact Position			Position	The Add The Control of Schoolstein States and Control of Schoolstein States and Control of Schoolstein States and Control of Schoolstein States and Control of Schoolstein States and Control of Schoolstein States and Control of Schoolstein States and Control of Schoolstein States and Control of Schoolstein States and Control of Schoolstein States and Control of Schoolstein States and Control of Schoolstein States and Control of Schoolstein States and Control of Schoolstein States and Control of Schoolstein	nı
	Υ	m		Υ	m
	PSI	0		PSI	о
Slip Angle(-180 to +	180)	0	Slip Angle (-180 to	+ 180)	О
	VE	HICLE M	OTION		
Contained Contact					
Sustained Contact					
\	VEHICLE 1			VEHICLE 2	
Vehicle Rotation	[ ] No [ ]	Yes '	Vehicle Rotation	[ ] No	1 1Yes
Rotation Ston Be	fore Rest     No			efore Rest   1 No	l i Yes
notation stop bo		100	riotation Gtop B	Citing the State of the State o	1 1 100
End of Rotation	Χ	m	End of Rotation	Χ	m
Position	Υ		Position	١′	
	PS:	о		DCI	0
Curved Path	[ ] No [ ]	Yes	Curved Path	[ ] No	[ ] Yes
Point on Path			Point on Path		
Х	n: Y	m	X	m Y	m
Rotation Direction	I I None I I CM I I C	C/M	Rotation Direction	1 1 None 1 1 CW	1.0014
	None     CW     C	JC VV		[ ] None   ] CW	I I CCVV
Rotation ≥ 360°	:   No     Yes		Rotation > 360°	No     Yes	

FRICTION INFORMATION	TRAJECTORY	/ INFORMATION
Coefficient of Eriction	Trajectory Data [ ]	No []Yes
Coefficient of Friction  Rolling Resistance Option	If No, Go To Damage I	nformation
	Vehicle 1 Steer Angles	•
Vehicle 1 Rolling Resistance	-	° RF °
LF RF	LR	° RR °
LR RR		
	Vehicle 2 Steer Angles	
Vehicle 2 Rolling Resistance	LF	° RF °
LF RF	LR	° RR °
LR RR		
	Terrain Boundary	] No [ ] Yes
	First Point	
	X m	Y m
	Second Point	
	X m	Y m
	Secondary Coefficient	of Friction
DAMAGE IN	IFORMATION	
DAWAGE III	TOMMATION	
VEHICLE 1	VE	HICLE 2
Damage Length L 4 / cm	Damage Length	L
Crush Depths C <sub>1</sub> 000 cm	Crush Depths	c, <u>025</u> cm
$C_2 QQQ cm$	·	$\begin{array}{cccc} C_2 & \boxed{0} & \boxed{3} & \boxed{3} & \text{cm} \\ C_3 & \boxed{0} & \boxed{3} & \boxed{7} & \text{cm} \end{array}$
$c_3 \frac{0}{7} \frac{7}{2} cm$		$C_3$ $03$ $7$ cm
C <sub>4</sub>		C <sub>4</sub> 036 cm
$C_s = 0.30 \text{ cm}$		$C_5 = 0.3 7 \text{ cm}$
C <sub>6</sub> 0 0 0 cm		$C_6 = 0.91$ cm
Damage Offset D + 000 cm	Damage Offset	D + 000cm
IF THIS COMMON IMPACT WAS WITH A MOTOR VEHICL	F NOT IN TRANSPORT FILL	N THE INFORMATION RELOW
Model Year:		Data and Damage Information
	for this vehicle should be	e recorded above.
Make:		
Model:		
Model:		ensions to the Form



INPUT CALCULATE TRAJECTORY OUTPUT GRAPHICS EXIT

### SUMMARY OF CRASHPC RESULTS USING DAMAGE

128J Event 1

SPEED CHANGE (DAMAGE)

VEHICLE #1

TOTAL LONGITUDINAL

40 KPH ( 25 MPH) -14 KPH ( -9 MPH)

LATITUDINAL

-38 KPH ( -24 MPH)

PDOF ANGLE

70 DEGREES

ENERGY DISSIPATED = 103284 JOULES ( 76168 FT-LB)

VEHICLE #2

TOTAL

35 KPH ( 22 MPH)

LONGITUDINAL LATITUDINAL

-27 KPH ( -17 MPH) 23 KPH ( 14 MPH)

-40 DEGREES

PDOF ANGLE

ENERGY DISSIPATED = 183327 JOULES ( 135197 FT-LB)

PRESS ANY KEY TO CONTINUE

INPUT CALCULATE TRAJECTORY OUTPUT GRAPHICS EXIT

DAMAGE DATA

VEHICLE #1 VEHICLE #2

SIZE CATEGORY STIFFNESS CATEGORY VEHICLE WEIGHT

1669 KGS ( 3679 LBS)

4

8 1909 KGS ( 4209 LBS) 11FDEW2

5

CDC PDOF ANGLE

02RYAW4 70 DEGREES

-40 DEGREES 175 CM. ( 69 IN.)

CRUSH LENGTH C1

411 CM. ( 162 IN.) 0 IN.) O CM. (

25 CM. 10 IN.) ( 33 CM. 13 IN.) (

02 C3  $\Box \phi$ 

O CM. ( 0 IN.) 17 CM. ( 7 IN.) 64 CM. ( 25 IN.)

37 CM. 36 CM. ( 14 IN.) 37 CM. 15 IN.) (

C5 C6 D

30 CM. ( 12 IN.) o CM. 0 IN.) ( O IN.

41 CM. ( 16 IN.) o cm. ( O IN.)

0 CM. ( D, 51 CM. ( 20 IN.)

5 CM. ( 2 IN.)

(\* INDICATES DEFAULT VALUE) PRESS ANY KEY TO CONTINUE

INPUT CALCULATE TRAJECTORY OUTPUT	GRAPHICS EXIT
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# DIMENSIONS AND INERTIAL PROPERTIES

	VEHICLE #1	VEHICLE #2
CG TO FRONT AXLE	139 CM. ( 55 IN.)	142 CM. ( 56 IN.)
CG TO REAR AXLE	150 CM. ( 59 IN.)	160 CM. ( 63 IN.)
TRACK	157 CM. ( 62 IN.)	162 CM. ( 64 IN.)
CG TO FRONT OF VEH	251 CM. ( 99 IN.)	259 CM. ( 102 IN.)
CG TO REAR OF VEH	-290 CM. (-114 IN.)	-310 CM. (-122 IN.)
CG TO SIDE OF VEH	98 CM. ( 39 IN.)	101 CM. ( 40 IN.)
MOMENT OF INERTIA	16234 KGS ( 35790 LBS)	20053 KGS ( 44208 LBS)
VEHICLE MASS	4 KGS ( 10 LBS)	5 KGS ( 11 LBS)

PRESS ANY KEY TO CONTINUE



U.S. Department of Transportation

# CRASHPC PROGRAM SUMMARY

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		1	$\mathcal{I}$	
1 ^	DA	~		

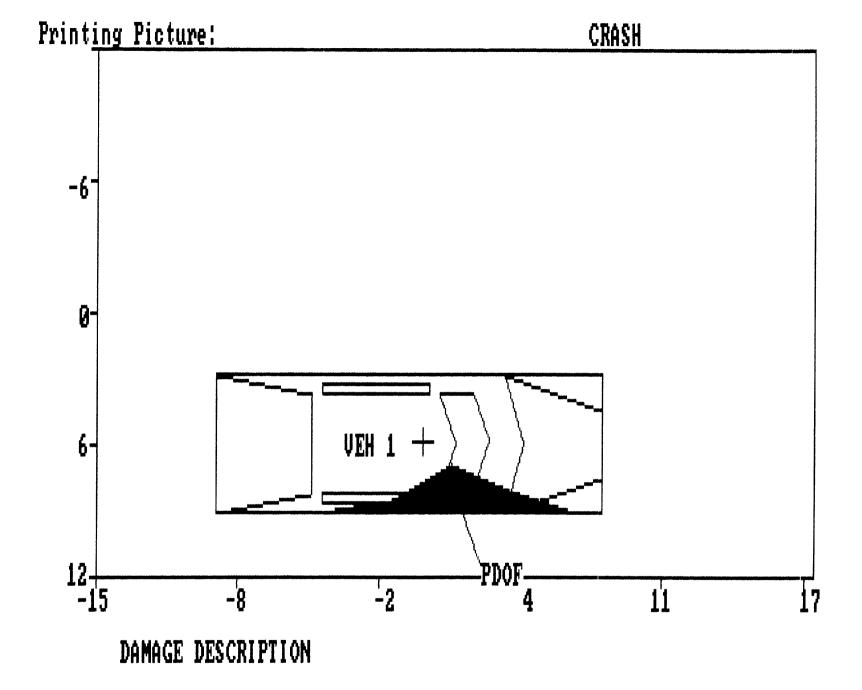
National Highway Traffic Safety

(All Measurements In Metric)

NATIONAL ACCIDENT SAMPLING SYSTEM

Administration				CRASI	HWORTHINES	S DATA SYSTEM
Identifying Title  O  Primary  Sampling Unit	Case NoStratum	Ac	ccident Event Da	ate (Month, day	y, year) of Ru	
CRASHPC Vehicle Io Vehicle 1 Vehicle 2	1989	Ford Crist Make	The Trst	Model	ird	O/ II NASS Veh. No.
	G	ENERAL IN	FORMATION ·			
Size  Weight $\frac{607}{600} + 62 + \frac{60}{600} + \frac{60}{600}$ CDC  PDOF (-180 to +18)  Stiffness	ODRYA	4 9 kg W 4 70°	Size Weight		+	1/ kg
		SCENE INF	ORMATION			
	sitions   ] No, <i>Go To</i> VEHICLE 1	) Damage Info		VEHICLE 2		
Rest Position	X Y PSI		Rest Position	X Y PSI		m m
Impact Position	X Y PSI	m m _ o	Impact Position	X Y PSI		m m
Slip Angle(-180 to +	+ 180)	О	Slip Angle (-180 to			0
		VEHICLE	MOTION			
Sustained Contact	[ ] No [ ] Yes VEHICLE 1			VEHICLE 2		
ehicle Rotation Rotation Stop Be		[ ] Yes	Vehicle Rotation Rotation Stop Be	efore Rest	[ ] No [ ] No	Yes     Yes
End of Rotation Position	X Y PSi	m	End of Rotation Position	V/		m
Curved Path Point on Path X	m Y	[ ] Yes	Curved Path Point on Path X	m Y	[ ] No	[ ] Yes
	None     CW		Rotation Direction Rotation > 360°	None	[ ] CW	

FRICTION II	NFORMATION	TRAJECTO	RY INFORMATIO	N
Coefficient of Friction		Trajectory Data [	No []Yes	
Rolling Resistance Optio	n	If No, Go To Damage		
		Vehicle 1 Steer Angl	PS	
Vehicle 1 Rolling Re	sistance	1	° RF	o
LF	RF	LR		
LR	RR	distribution of transpared in the second of		
		Vehicle 2 Steer Angl	es	
Vehicle 2 Rolling Re			° RF	0
l	RF .	LR	° RR	o
Ln	RR			
		Terrain Boundary [	] No [ ] Yes	
		First Point		
		X n	n Y	m
		Second Point		
		X m	Y	. m
		Secondary Coefficien		
	DAMAGE IN	IFORMATION		
		TONIVIATION		
VEH	HICLE 1	V	EHICLE 2	
Damage Length	L 4//cm	Damage Length	L	cm
Crush Depths	$C_1 = 000$ cm	Crush Depths	C <sub>1</sub>	cm
	$C_7 = 0 = 0$ cm		C <sub>2</sub>	cm
	$C_3$ cm		C <sub>3</sub>	cm
	$C_4$ $\frac{\sqrt{6}}{\sqrt{3}}$ cm		C <sub>4</sub>	cm
	$C_s = 0.3 O_{cm}$		C <sub>5</sub>	cm
	$C_6 \bigcirc O \bigcirc C$ cm		C <sub>6</sub>	cm
Damage Offset	D + 000 cm	Damage Offset	D +	cm
IF THIS COMMON IMPA	CT WAS WITH A MOTOR VEHICL	E <i>NOT IN TRANSPORT,</i> FILL	IN THE INFORMATION	BELOW.
		The Weight, CDC, Scen		
		for this vehicle should h	<del>-</del>	Offication
Model:				
_				
Complete and	I ATTACH the appropriate vehic	le damage sketch and dim	nensions to the Form.	
İ				



INPUT CALCULATE TRAJECTORY OUTPUT GRAPHICS EXIT

#### SUMMARY OF CRASHPC RESULTS USING DAMAGE

128J Event 1 - V1 Barrier Test

SPEED CHANGE (DAMAGE)

VEHICLE #1

40 KPH ( 25 MPH) TOTAL -14 KPH ( -8 MPH) LONGITUDINAL -37 KPH ( -23 MPH) LATITUDINAL PDOF ANGLE 70 DEGREES

ENERGY DISSIPATED = 103284 JOULES ( 76168 FT-LB)

VEHICLE #2

 $\mathbf{p}$ 

O KPH ( O MPH) TOTAL O KPH ( LONGITUDINAL O MPH) O KPH ( O MPH) LATITUDINAL PDOF ANGLE O DEGREES

ENERGY DISSIPATED = O JOULES ( O FT-LB)

PRESS ANY KEY TO CONTINUE

GRAPHICS INPUT CALCULATE TRAJECTORY OUTPUT EXIT

DAMAGE DATA

VEHICLE #1 VEHICLE #2

SIZE CATEGORY 4 11 STIFFNESS CATEGORY 0 1669 KGS ( 3679 LBS) \*\*\*\*\* KGS (2204586 LBS) \* VEHICLE WEIGHT 02RYAW4 CDC BARRIER PDOF ANGLE 70 DEGREES O DEGREES \* CRUSH LENGTH 411 CM. ( 162 IN.) O CM. ( 0 IN.) \* C10 CM. ( 0 IN.) 0 CM. ( 0 IN.) \* 02 O CM. ( O IN. O CM. 0 IN.) \* ( CЗ 17 CM. 7 IN.) ( O CM. ( 0 IN.) \*  $\Box$ 4 64 CM. ( 25 IN.) O CM. 0 IN.) \*  $\mathbb{C}^{5}$ 30 CM. ( 12 IN.) 0 CM. ( 0 IN.) \* 06 0 CM. ( 0 IN.) 0 CM. ( 0 IN.) \* D 0 IN.) O CM. ( O CM. 0 IN.) \*

20 IN.)

51 CM. (

(\* INDICATES DEFAULT VALUE) PRESS ANY KEY TO CONTINUE

- (

2 IN.) \*

5 CM. (

	INPUT	CALCULATE	TRAJECTORY	OUTPUT	GRAPHICS	EXIT	
11							11

## DIMENSIONS AND INERTIAL PROPERTIES

	VEHICLE #1	VEHICLE #2
CG TO FRONT AXLE	139 CM. ( 55 IN.)	127 CM. ( 50 IN.)
CG TO REAR AXLE	150 CM. ( 59 IN.)	127 CM. ( 50 IN.)
TRACK	157 CM. ( 62 IN.)	127 CM. ( 50 IN.)
CG TO FRONT OF VEH	251 CM. ( 99 IN.)	127 CM. ( 50 IN.)
CG TO REAR OF VEH	-290 CM. (-114 IN.)	-127 CM. ( -50 IN.)
CG TO SIDE OF VEH	98 CM. ( 39 IN.)	127 CM. ( 50 IN.)
MOMENT OF INERTIA	16234 KGS ( 35790 LBS)	***** KGS (***** LBS)
VEHICLE MASS	4 KGS ( 10 LBS)	2600 KGS ( 5732 LBS)

PRESS ANY KEY TO CONTINUE



U.S. Department of Transportation

# CRASHPC PROGRAM SUMMARY



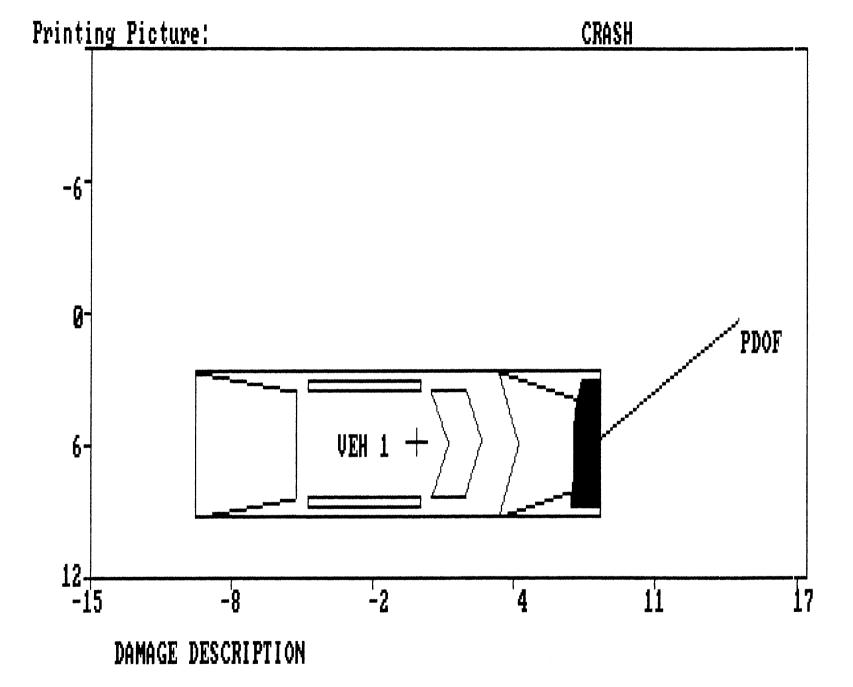
National Highway Traffic Safety

(All Measurements In Metric)

NATIONAL ACCIDENT SAMPLING SYSTEM

Administration				CRASH	IWORTHINESS	DATA SYSTEM
Identifying Title  Primary  Sampling Unit	128 J Case No. Stratum		Cident Event Da	ate (Month, day	y, year) of Rur	<i></i>
CRASHPC Vehicle Id Vehicle 1 Vehicle 2		Toyo 1777 Make	k T- Tist	- / <i>OO</i> (	D×	O2 II NASS Veh. No.
	GE	NERAL INF	ORMATION ·			
Size Weight 1832 + 77 +	VEHICLE I  0 = 1 9 0	5 5 kg	Size Weight++	VEHICLE 2		<u>∫</u> /
Curb Occupant(s)  CDC  PDOF (-180 to +180  Stiffness	Cargo // F D E D)		Curb Occupant(s)  CDC  PDOF (-180 to +18)  Stiffness		<u>+</u>	
	S	CENE INFO	PRMATION			
	tions     No, <i>Go To</i>   VEHICLE 1	Damage Infor		VEHICLE 2		
Rest Position	X Y PSI	m m	Rest Position	X Y PSI		m
Impact Position	X Y PSI	m m	Impact Position	X Y PSI		m o
Slip Angle(-180 to +	·	0	Slip Angle (-180 to		Market and American	0
		VEHICLE	MOTION		**************************************	
Sustained Contact	No     Yes /EHICLE 1			VEHICLE 2		
Vehicle Rotation Rotation Stop Be		Yes	Vehicle Rotation Rotation Stop Be		[ ] No -	I l Yes
End of Rotation Position	X Y PSi	m	End of Rotation Position	3.7		m
Curved Path Point on Path X		] Yes	Curved Path Point on Path X	m Y	[ ] No	[ ] Yes
	None     CW		Rotation Direction Rotation > 360°	[ ] None	1 1 CW 1	

	INFORMATION	TRAJECTO	RY INFORMATIO	N
Coefficient of Friction		Trajectory Data [		
Rolling Resistance Opt	ion	If No, Go To Damage		
	<del>-</del>	Vehicle 1 Steer Angl	es	
Vehicle 1 Rolling R	esistance		° RF	0
	RF	LR		
LR	RR			eterores etialogicas
		Vehicle 2 Steer Angl	es	
Vehicle 2 Rolling R		LF	° RF	o
	RF	LR		
LR	RR			
		Terrain Boundary [	] No [ ] Yes	
		First Point		
L			Y	. m
		Second Point		_ · '''
			Y	
		Secondary Coefficien	t of Friction	
	DAMAGE IN	IFORMATION		
VE	EHICLE 1	V	EHICLE 2	
Damage Length	L ] 75 cm	Damage Length	L	cm
Crush Depths	c, 025 cm	Crush Depths	С,	cm
Crush Depths	$\begin{array}{ccccc} C_1 & 0 & 2 & 5 & cm \\ C_2 & 0 & 3 & 3 & cm \end{array}$	Crush Depths	C <sub>1</sub>	
Crush Depths	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Crush Depths	C <sub>2</sub>	cm
Crush Depths	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Crush Depths	C <sub>2</sub>	cm
Crush Depths	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Crush Depths	C <sub>2</sub>	cm cm
Crush Depths	$C_3 = 037 \text{ cm}$ $C_4 = 036 \text{ cm}$	Crush Depths	C <sub>2</sub> C <sub>3</sub>	cm cm cm
Crush Depths  Damage Offset	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Crush Depths  Damage Offset	C <sub>2</sub> C <sub>3</sub> C <sub>4</sub>	cm cm cm cm
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		C <sub>2</sub>	cm cm cm cm
Damage Offset	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Damage Offset	C <sub>2</sub>	cm cm cm cm
Damage Offset  IF THIS COMMON IME	$C_3$ $O_3$ $O_5$ cm $C_4$ $O_3$ $O_5$ cm $C_5$ $O_4$ $O_5$ cm $C_6$ $O_4$ $O_5$ cm $C_6$ $O_5$ cm	Damage Offset E <i>NOT IN TRANSPORT,</i> FILL	C <sub>2</sub>	cm cm cm cm
Damage Offset  IF THIS COMMON IME  Model Year:	$C_3$ $O_3$ $O_5$ cm $C_4$ $O_3$ $O_5$ cm $C_5$ $O_3$ $O_7$ cm $C_6$ $O_7$ $O_7$ cm $C_6$ $O_7$ $O_7$ cm $C_7$ $O_$	Damage Offset	$C_2$	cm cm cm cm
Damage Offset  IF THIS COMMON IMP  Model Year:  Make:	$C_3$ $O_3$ $O_5$ cm $C_4$ $O_3$ $O_5$ cm $C_5$ $O_3$ $O_7$ cm $C_6$ $O_7$ $O_7$ cm $C_7$ $O_7$	Damage Offset E <i>NOT IN TRANSPORT,</i> FILL The Weight, CDC, Scen	$C_2$	cm cm cm cm
Damage Offset  IF THIS COMMON IME  Model Year:  Make:  Model:	$C_3$ $O_3$ $O_5$ cm $C_4$ $O_3$ $O_5$ cm $C_5$ $O_3$ $O_7$ cm $C_6$ $O_7$ $O_7$ cm $C_6$ $O_7$ $O_7$ cm $C_7$ $O_$	Damage Offset E <i>NOT IN TRANSPORT,</i> FILL The Weight, CDC, Scen	$C_2$	cm cm cm cm cm
Damage Offset  IF THIS COMMON IME  Model Year:  Make:  Model:  VIN:	$C_3$ $O_3$ $O_5$ cm $C_4$ $O_3$ $O_5$ cm $C_5$ $O_3$ $O_5$ cm $C_6$ $O_4$ $O_5$ cm  PACT WAS WITH A MOTOR VEHICLE	Damage Offset  E NOT IN TRANSPORT, FILL  The Weight, CDC, Scenfor this vehicle should be	$C_2$	cm cm cm cm cm
Damage Offset  IF THIS COMMON IME  Model Year:  Make:  Model:  VIN:	$C_3$ $O_3$ $O_5$ cm $C_4$ $O_3$ $O_5$ cm $C_5$ $O_3$ $O_7$ cm $C_6$ $O_7$ $O_7$ cm $C_6$ $O_7$ $O_7$ cm $C_7$ $O_$	Damage Offset  E NOT IN TRANSPORT, FILL  The Weight, CDC, Scenfor this vehicle should be	$C_2$	cm cm cm cm cm



INPUT CALCULATE TRAJECTORY OUTPUT GRAPHICS EXIT

### SUMMARY OF CRASHPC RESULTS USING DAMAGE

128J Event 1 - V2 Barrier Test

SPEED CHANGE (DAMAGE)

VEHICLE #1

TOTAL 36 KPH ( 22 MPH)
LONGITUDINAL -27 KPH ( -17 MPH)
LATITUDINAL 23 KPH ( 14 MPH)
PDOF ANGLE -40 DEGREES

ENERGY DISSIPATED = 183327 JOULES ( 135197 FT-LB)

VEHICLE #2

TOTAL O KPH ( O MPH)
LONGITUDINAL O KPH ( O MPH)
LATITUDINAL O KPH ( O MPH)
PDOF ANGLE O DEGREES

PRESS ANY KEY TO CONTINUE

INPUT CALCULATE TRAJECTORY OUTPUT GRAPHICS EXIT

DAMAGE DATA

VEHICLE #1 VEHICLE #2

SIZE CATEGORY 5 11 STIFFNESS CATEGORY 0 1909 KGS ( 4209 LBS) \*\*\*\*\* KGS (2204586 LBS) \* VEHICLE WEIGHT 11FDEW2 CDC BARRIER PDOF ANGLE -40 DEGREES O DEGREES \* CRUSH LENGTH 175 CM. ( 69 IN.) O CM. ( 0 IN.) \* C125 CM. ( 10 IN.) 0 CM. ( 0 IN.) \* 02 33 CM. ( 13 IN.) 0 CM. ( 0 IN.) \* 15 IN.) 0 CM. ( 03 37 CM. ( 0 IN.) \* 36 CM. ( 14 IN.) o cm. c 0.4 0 IN.) \* 05 37 CM. ( 15 IN.) o cm. 0 IN.) \* C6 41 CM. ( 16 IN.) 0 CM. ( 0 IN.) \* D 0 CM. ( O IN.) O CM. 0 IN.) \* D, 5 CM. ( 2 IN.) 5 CM. ( 2 IN.) \*

(\* INDICATES DEFAULT VALUE)
PRESS ANY KEY TO CONTINUE

	INPUT	CALCULATE	TRAJECTORY	OUTPUT	GRAPHICS	EXIT	******
IL							

# DIMENSIONS AND INERTIAL PROPERTIES

	VEHICLE #1	VEHICLE #2
CG TO FRONT AXLE	142 CM. ( 56 IN.)	127 CM. ( 50 IN.)
CG TO REAR AXLE	160 CM. ( 63 IN.)	127 CM. ( 50 IN.)
TRACK	162 CM. ( 64 IN.)	127 CM. ( 50 IN.)
CG TO FRONT OF VEH	259 CM. ( 102 IN.)	127 CM. ( 50 IN.)
CG TO REAR OF VEH	-310 CM. (-122 IN.)	-127 CM. ( -50 IN.)
CG TO SIDE OF VEH	101 CM. ( 40 IN.)	127 CM. ( 50 IN.)
MOMENT OF INERTIA	20053 KGS ( 44208 LBS)	***** KGS (***** LBS)
VEHICLE MASS	5 KGS ( 11 LBS)	2600 KGS ( 5732 LBS)

PRESS ANY KEY TO CONTINUE

C6

#### **SMASH PROGRAM SUMMARY**

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM Administration (All Measurements in Metric) Identifying Title 28 J 02 Sequence No. Date (month,day,year) of Run **GENERAL VEHICLE INFORMATION** Vehicle 1 Vehicle 2 1989 1994 Year Year Make Make FORD TOYOTA Model THUNDERBIRD Model TIDODX Body Style Body Style PIL NASS Veh. No. NASS Veh. No. 03RZEWZ CDC -PILVEWZ CDC Damaged Side (Missing Veh. Only)\_\_\_\_ Damaged Side (Missing Veh. Only)\_\_\_\_ 80° **PDOF PDOF** -100 268 277 HDG Angle HDG Angle **VEHICLE SPECIFICATIONS** Vehicle 1 Vehicle 2 **787** Wheelbase Wheelbase 310 505 526 OAL OAL 185 OAW OAW 191 Weight: Weight: 1607 + 1832 + Occupants Engine Displacement 3.8 Engine Displacement\_\_\_\_ RWP Drive System RIDP Drive System Size Size Stiffness Stiffness DAMAGE INFORMATION Vehicle 1 Vehicle 2 Damage Known? \_\_\_\_NÔ \_\_ YES Damage Known? Damage Length Damage Length 300 cm Damage Offset Damage Offset Crush Depth: Crush Depth: C1 C1 cm cm C2 C2 cm cm C3 **C3** cm cm 2 C4 C4 cm cm C5 C5 10 cm cm

**C6** 

cm

#### Summary of Results Using Damage

#### 09 128J Z.C. RUN IMP. 2

R RRER

Speed Change (ROLDMISS)

Vehicle #1

Total 8 km/h ( 5 **mph**) -i km/h ( -i mph) Longitudinal Latitudinal -8 k**m**/h ( **-**5 mph)

80 ° PDOF Angle

Energy Dissipated = 3179 Joules ( 2344 Ft-Lb)
Barrier Equivalent Speed = 4.1 km/h ( 2.5 mph)

Calculated using size and stiffness categories.

Vehicle #2

Total 7 km/h (4 mph)1 km/h ( 1 mph) 7 km/h ( 4 mph) Longitudinal Latitudinal PDOF Angle -100 °

Energy Dissipated = 12857 Joules ( 9482 Ft-Lb)
Barrier Equivalent Speed = 13.1 km/h ( 8.1 mph)

Calculated using size and stiffness categories.

#### General Information

	Vehicle #1	Vehicle #2
Year	1969	1994
Make	Ford	Toyota
Model	Thunderbird	T100
CDC	O3R <b>X</b> EW2	09L <b>X</b> EW2
Side Damaged	R	L
PDOF Angle	80 °	-100 °
Heading Angle	268 °	277 °
Calculation method:	Size and Stiffness	Size and Stiffness
Size Category	4	5
Stiffness Category	4	8
Vehicle Weight	1669 kgs ( 3680 lbs)	1909 kgs ( 4209 lbs)

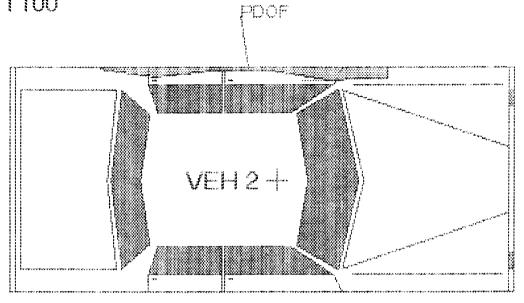


Damage Information

	Vehicle #1	Vehicle #2 Yes		
Vehicle Damage Known	No.			
Crush Length	0.0 cm (	300.0 cm ( 118 in)		
C1	0.0 cm (	1.0 cm ( 0 in)		
	0.0 cm ( 0 in)	8.0 cm ( 3 in)		
C3	0.0 cm (	2.0 cm ( i in)		
[] 4	0.0 cm (	2.0 cm ( 1 in)		
05	<b>0.</b> 0 cm (	10.0 cm ( 4 in)		
C6	0.0 cm ( 0 in)	9.0 cm ( 4 im)		
D	0.0 cm ( 0 in)	-56.9 cm ( -22 in)		
D 2	-200.4 cm ( -79 in)	-31.0 cm ( -12 in)		

## Vehicle Dimensions

	Vehicle #1	Vehicle #2	
Length Width WheelLase Weight CG to Front of Veh Engine Displacement	287.0 cm ( 113 in) 1669 kgs ( 3680 lbs) 251.0 cm ( 99 in)	309.5 cm ( 122 in)	
Moment of Inertia Vehicle Mass	384029 kgs ( 33991 lbs) 1669 kgs ( 9.6 lb-s^2/in)	477173 kgs ( 42235 1bs) 1909 kgs ( 10.9 lb-s^2/in)	



1989 Ford Thunderbird Vehicle number 1 is missing.

```
00340700003472106
                 0204
09128J00010013
                958.051000000000104R0231F
09128J00020013
                ₽58.0510000000000104R0231L
                                                   1999089096002060312
09128J01000021
                  8.05 0000000008912004021FAPP5044KH#
1411211012021115101268
                  09128J01000022
81033998404003
09128J01000031
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09128J01000041
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09128J01000042
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4 🤈
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09128J01010051
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09128J02000022
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09128J02000031
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                  09128J02000041
09128J02000042
                  8.05 000000000
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09128J02010051
                  8.05 0000000002911780771110000004404114000004111001111011-02
721010122123051614100000000000033102990000000004159011
09128J02010161
                  8.05 0000000002640278166031300
09128J02010261
                  8.05 0000000002640678186031300
09128J02010361
                  8.05 0000000003730202121702100
09128J02010461
                  8.05 0000000003890202120141100
09128J00000066
                  8.05 00000000TWO CAR, FRONT TO RIGHT IMPACT
09128J00000171
                  8.05 00000000Vehicle one was traveling north in lane four o
f a four lane divided highway
09128J00000271
                  8.05 000000000approaching an intersection. Vehicle two was
traveling south in lane three
09128J00000371 8.05 0000000000f the same road also approaching the same intersection. Vi made a left turn
09128J00000471
                  8.05 00000000in the path of V2 and was struck on the right
      The vehicles then
cide.
09128J000000571
                  9.05 000000000sideslapped each other before comming to final
rest. Both vehicles were
09128J00000671
                  8.05 00000000towed due to damage. Both drivers sustained "
A" injuries.
09128J00000181
                  8.05 00000000001 Full Size
                                                1989 Ford Thunderbird
                                                                     Right
   Severe
              None
09129J00000281
                  8.05 00000000002 Large Pickup
                                                1994 Toyota T-100 DX
                                                                      Front
   Severe
              None
09128J00000191
                  8.05 00000000001 Driver
                                          L-Front
                                                     Auto Shldr
                                                                 Head
aceration 1 Flying glass
09128J000000291
                  8.05 000000000
                                                     Man Lap
```

#### INTRA ERRORS

OK 1989 "/ADPS

GG0961 2 If AOPS VEHICLE GV40 equals 1-4, then MODEL YEAR GV04 should GG0962 equal 90-98.

INTERIOR VEHICLE Vehicle: 1

INTRA ERRORS

1 sobel

CC0541 2 \*\*\*\*\*\*\* THIS CASE SHOWS A POSSIBLE HOLED WINDSHIELD. \*\*\*\*\*\*\*
CC0542 \*\*\*\*\* CHECK YOUR DATA AND IF CORRECT, NOTIFY YOUR ZONE \*\*\*\*\*\*
CC0543 GLAZING WINDSHIELD IV31 equals 3 or 5 or CONTACT WINDSHIELD IV39
CC0544 equals 4 or 6.

OCCUPANT ASSESSMENT Vehicle: 1 Occupant: 1

INTRA ERRORS

OK

HH1091 2 If TREATMENT OA62 equals 0, 4 or 5, then WORKING DAYS LOST OA65 HH1092 should equal 00, 01, 97 or 99.

PSU09

ERROR SUMMARY SCREEN

96

CASE 128J CURRENT VERSION: 8.05

FORM NAME	NUMBER OF DOLLAR SIGNS	NUMBER OF LEVEL 1 ERRORS	NUMBER OF LEVEL 2 ERRORS	VERSION NUMBER CONSISTENT
Accident	ं	O	0	Υ
General Vehicle	0	0	<u>1</u>	Υ
Vehicle Exterior	0	<b>਼</b>	0	Υ
Vehicle Interior	0	0	1	Υ
Occupant Assessment	O O	O	<u>1</u>	Υ
Occupant Injury	0	0	0	Υ

Total	Inter	Errors		0	0
Total	Case	Errors	0	0	3

U.S. Department of Transportation

National Highway Traffic Safety Administration

# **SLIDE INDEX**

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

Administration		· · · · · · · · · · · · · · · · · · ·	CRASHWORTHINESS DATA SYSTEM
Primary S	ampling Ur	nit Number	25 Case Number – Stratum / 2 5 5
Slide No.	Vehicle No.	Direction of Picture	Description of Slide Subject Matter
1-6	1	N	Approach
7	1	$\overline{\mathcal{N}}$	At Impact
8	1	5	Look Back
9-13	2	5	Approach
14	2	5	
15	2	N	At Impret Look Back
16-31	1		Exterior
32-47	1		Interior
48-62	7	_	Exterior Impact #1
63-65	7		Exterior Import #2
66-67	2		Las Tank + Filler Cap
68 79	2		Interior
80-83	2	_	Air Bag
84	7		Occupant Control Pt.
		_	
			1

Slide No.	Vehicle No.	Direction of Picture	Description of Slide Subject Matter
			·























































Best Available



ilable

















































PSU 09-128J (1995) #52 Best Available



ilable



Best Available



28J (1995) #5: Available



28J (1995) #5





Best Available



Best Available







PSU 09-128J (1995) #62 Best Available











































